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(NASA-CR-147627) RESULTS FROM A CONVECTIVE
HEAT TRANSFER RATE DISTRIBUTION TEST ON A
0.0175 SCALE MODEL (22-0) OF THE ROCKWELL
INTERNATIONAL VEHICLE 4 SPACE SHUTTLE
CONFIGURATION IN THE AEDC-VKF (Chrysler

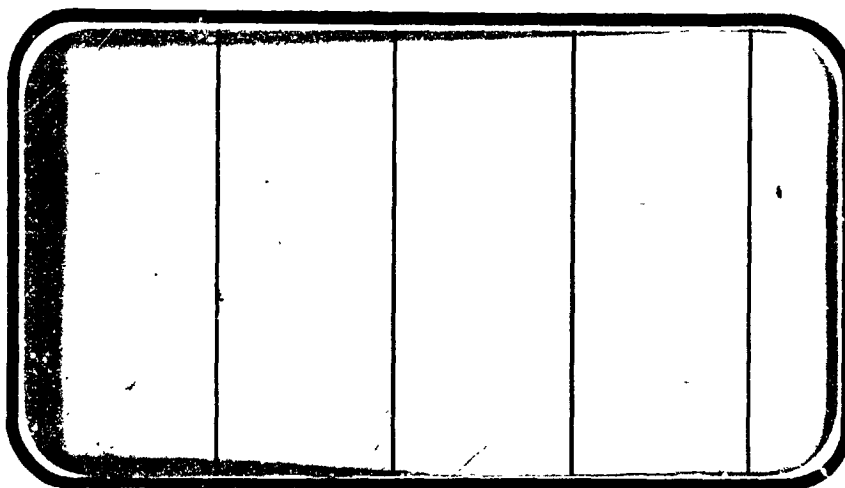
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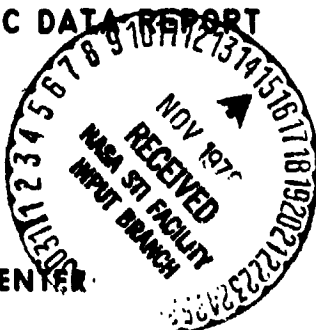
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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

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SPACE DIVISION



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RESULTS FROM A CONVECTIVE HEAT TRANSFER RATE
DISTRIBUTION TEST ON A 0.0175 SCALE MODEL (22-0)
OF THE ROCKWELL INTERNATIONAL VEHICLE 4 SPACE
SHUTTLE CONFIGURATION IN THE AEDC-VKF TUNNEL B
(OH49B)

by

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Prepared under NASA Contract Number NAS9-13247

by

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for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: AEDC V41B-57A
NASA Series Number: OH49B
Model Number: 22-OT
Test Dates: July 2, 1974 through July 11, 1974
Occupancy Hours: 60

FACILITY COORDINATOR:

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Chrysler Corporation Space Division assumes no responsibility for the data presented other than display characteristics.

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ABSTRACT

The tests were conducted in Hypersonic Wind Tunnel (B) at Mach number 8 during the period from July 2-11, 1974. The objective of the tests was the investigation of reentry mode convective heat-transfer rates to the Vehicle 4 shuttle orbiter. The thin-skin thermocouple technique was used to obtain the heat transfer rate measurements. A complete set of tabulated data is presented in this report.

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NOMENCLATURE

<u>Symbol</u>	<u>Definition</u>
ALPHA, α	Model angle of attack, deg
ALPHA-PREBEND	Sting prebend angle, deg
ALPHA-SECTOR	Tunnel sector angle, deg
b	Model wall thickness, in. or ft.
B	Total model wing span, in. (see Fig. 1)
BV	Vertical tail span with origin at Z = 500, in. (see Fig. 1)
c_p	Model wall specific heat, Btu/lbm-°R
C	Local wing or tail chord, in. (see Fig. 1)
Δ	Local body deflection angle referenced to free-stream velocity ($\epsilon + \text{ALPHA-MODEL}$), deg
DELTABF, δ_{BF}	Body flap deflection angle, deg
DELTAE, δ_e	Elevon deflection angle, deg
DELTASB, δ_{SB}	Speed brake deflection angle, deg
DTWDT, dTW/dt	Derivative of the model wall temperature with respect to time, °R/sec
ϵ	Local body deflection angle with respect to the X-Y plane, deg
H(TAW)	Heat-transfer coefficient, $\frac{Q-DOT}{TAW - TW}$, $\frac{Btu}{ft^2\text{-sec-}^\circ R}$
H(TO)	Heat-transfer coefficient, $\frac{Q-DOT}{TO - TW}$, $\frac{Btu}{ft^2\text{-sec-}^\circ R}$
H(9TO)	Heat-transfer coefficient, $\frac{Q-DOT}{(0.9TO) - TW}$, $\frac{Btu}{ft^2\text{-sec-}^\circ R}$

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Definition</u>
HREF, HREF-FR	Reference heat-transfer coefficient based on Fay-Riddell theory, Btu/ft ² -sec-°R
	$HREF = \frac{8.139(P01)^{0.5} (MU-0)^{0.4} (1 - P-INF/P01)^{0.25}}{(RN)^{0.5} (T0)^{0.15}} \times$ $[0.2235 + 0.0000135 [T0 + 560]]$
where	
	P01 ≈ stagnation pressure downstream of a normal shock, psia
	MU-0 ≈ air viscosity based on T0, lbf-sec/ft ²
	RN ≈ reference nose radius, (0.175 ft)
L	Model centerline reference length, in. (see Fig. 1)
MACH	Free-stream Mach Number
MU-INF, MU	Free-stream viscosity, lb-sec/ft ²
THETA, θ	Thermocouple orientation angle in the orbiter cross-sectional plane, deg (Fig. 1)
P-INF, P	Free-stream pressure, psia
P0	Tunnel stilling chamber pressure, psia
Q-DOT, QDOT	Heat-transfer rate, Btu/ft ² -sec
Q-INF, Q	Free-stream dynamic pressure, psia
RE/FT	Free-stream Reynolds number per foot, ft ⁻¹
RHO-INF, RHO	Free-stream density, slug/ft ³
ROLL-MODEL	Model roll angle, deg.
ST FR	Theoretical stagnation point Stanton number for a 0.0175-ft (1 scale foot) radius sphere calculated from Fay-Riddell theory

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Definition</u>
	$ST\ FR = \frac{HREF}{(RHO-INF)(V-INF)[0.2235 + 0.0000135(TO + 560)](32.174)}$
t	Time from start of model injection cycle, sec
TAW	Calculated adiabatic wall temperature, °R $TAW = TO \times [0.867 + 0.133(\sin^{1.55}A)]$ for thermocouples listed in Table V $TAW = 0.9 \times TO$ for thermocouples not listed in Table V
T/C NO	Thermocouple number
T-INF, T	Free-stream temperature, °R
TO	Tunnel stilling chamber temperature, °R
TW	Model wall temperature, °R
V-INF, V	Free-stream velocity, ft/sec
w	Model wall density, lbm/ft ³
X	Longitudinal coordinate with origin at model nose, in. (see Fig. 1)
X _O	Longitudinal coordinate with origin 235 in. (full scale) upstream of the vehicle nose, in.
XV	Longitudinal coordinate with origin at vertical tail leading edge, in. (see Fig. 1)
XW	Longitudinal coordinate with origin at wing leading edge, in. (see Fig. 1)
Y	Lateral coordinate, in. (see Fig. 1)
YAW, ψ	Model yaw angle, deg
Z	Vertical coordinate, in. (see Fig. 1)
β	Sideslip angle, degrees (β = -ψ)

NOMENCLATURE (Concluded)

<u>Symbol</u>	<u>Definition</u>
X/L	Non-dimensionalized fuselage station
ZV	Vertical coordinate from Z = 500, in. (See Fig. 1)
H/HREF	Ratio of model heat-transfer coefficient to heat-transfer coefficient of reference sphere

SUBSCRIPT

i	Initial condition
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CONFIGURATIONS INVESTIGATED

The test article was a 0.0175-scale thin-skin thermally insulated model of the Rockwell International Vehicle-Four configuration lightweight orbiter. This configuration is defined on Rockwell Drawing VL70-000140B. Dimensional data are given in Table III, and a sketch of the orbiter is shown in figure 1.

Provisions were made to test the reentry mode orbiter with the following movable control surface deflections:

Elevons:	0, 5, 10, 15, -7, -30 deg
Rudder Speed Brake:	0, 40 deg
Body Flap:	0, 5, 15, 22 deg

The structural area of the model is constructed of 17-4 PH with instrumentation areas of 15-5 PH and 17-4 stainless steel. The nominal skin thickness at instrumentation areas was 0.030 in.

The following nomenclature was used to describe model components for the vehicle 4 configuration 22-OT model:

B ₂₅	Basic fuselage body of double delta vehicle 4 configuration lightweight orbiter per Rockwell Drawing VL70-000140B
C ₁₀	Canopy per drawing number VL70-000140B
E ₂₆	Elevon with wing W ₁₁₆ trailing edge sweep back angle of -10.25°. Drawing number VL70-000140B
F ₁₀	Body flap, VL70-000140B Drawing
M ₄	Orbital maneuvering system pods (OMS) per drawing number VL70-000139
R ₅	Rudder, drawing number VL70-000095 and VL70-000139

CONFIGURATIONS INVESTIGATED (Concluded)

V₇ Centerline vertical tail double wedge aerofoil
with rounded leading edge per drawing number
VL70-000095 and VL70-000139

W₁₁₆ Double delta wing per drawing number VL70-000140B

INSTRUMENTATION

The orbiter model was instrumented with 31⁴ iron-constantan thermocouples spot-welded to the model inner surface. The orbiter instrumentation reference system is shown in Figure 1.

Instrumentation locations are illustrated in Figures 2a through 2e. The dimensional locations of the instrumentation and the local skin thickness at each position are given in Table IV.

TEST FACILITY DESCRIPTION

Tunnel B is a continuous, closed-circuit, variable density wind tunnel with an axisymmetric contoured nozzle and a 50-inch-diameter test section. The tunnel can be operated at a nominal Mach number of 6 or 8 at stagnation pressures from 20 to 300 and 50 to 900 psia, respectively, at stagnation temperatures up to 1350°R. The model can be injected into the tunnel for a test run and then retracted for model cooling or model changes without interrupting the tunnel flow. A description of the tunnel may be found in Reference 3.

TEST PROCEDURE

Thermocouple outputs were recorded using the VKF digital data scanner in conjunction with a Beckman 210 digital data system. The thermocouple outputs were scanned at the rate of 20 times per second starting at the beginning of model injection and continuing until about 3 seconds after the model reached tunnel centerline. After each injection, the model was cooled to an isothermal state using high-pressure air and any required control surface deflections were effected manually.

DATA REDUCTION

The reduction of thin-skin thermocouple data normally involves only the calorimetric heat balance, which, in coefficient form, is

$$H(TO) = wbc_p \frac{dT/dt}{TO - TW} \quad (1)$$

Radiation and conduction losses are neglected in this heat balance, and data reduction simply requires evaluation of dT/dt from the temperature-time data and determination of model material properties. For the present tests, radiation effects were negligible; however, conduction effects were significant in several regions of the models. To permit identification of these regions and improve evaluation of the data, the following procedure was used.

Separation of variables and integration of Eq. (1), assuming constant w , b , c_p , and TO , yields

$$\frac{H(TO)}{wbc_p} (t - t_1) = \ln \frac{TO - TW_1}{TO - TW} \quad (2)$$

Since $H(TO)/wbc_p$ is a constant, plotting $\ln (TO - TW_1)/(TO - TW)$ versus time will give a straight line if conduction is negligible. Thus, deviations from a straight line can be interpreted as conduction effects.

The data were evaluated in this manner, and generally a reasonably linear portion of the curve could be found for all thermocouples. A linear least-squares curve fit of $\ln (TO - TW_1)/(TO - TW)$ versus time was applied to the data beginning at the time when the model reached uniform flow and extending for a time span which was a function of the heating rate, as shown below:

DATA REDUCTION (Continued)

<u>Range</u>	<u>Number of Points</u>
$dTW/dt > 32$	5
$16 < dTW/dt \leq 32$	7
$8 < dTW/dt \leq 16$	9
$4 < dTW/dt \leq 8$	13
$2 < dTW/dt \leq 4$	17
$1 < dTW/dt \leq 2$	25
$dTW/dt < 1$	41

In general, the time spans given above were adequate to keep the evaluation of the right-hand side of Eq. (2) within the linear region. Strictly speaking, the value of c_p is not constant, as assumed, and the following relations

$$c_p = 0.0645 + (5.8 \times 10^{-5})TW, (15-5 \text{ PH stainless steel})$$

$$c_p = 0.0797 + (5.556 \times 10^{-5})TW, (17-4 \text{ PH stainless steel})$$

were used with the value of TW at the midpoint of the curve fit. The maximum variation of c_p over any curve fit was less than 1.2 percent; thus, the assumption of constancy was not grossly violated. The value of density used for each type steel was

$$w = 490.75 \text{ lbm/ft}^3 \text{ (15-5 PH stainless steel)}$$

$$w = 490.0 \text{ lbm/ft}^3 \text{ (17-4 PH stainless steel)}$$

Uncertainties of the basic tunnel parameters were estimated from repeat calibrations of the PO and TO instruments and from the repeatability and uniformity of the tunnel flow during calibrations. The parameters, PO, TO, and MACH NO., with their uncertainties, were then used to compute the uncertainties in the other parameters dependent on these by means of the Taylor series method of error propagation.

DATA REDUCTION (Concluded)

Uncertainty, percent

<u>MACH NO.</u>	<u>PO</u>	<u>TO</u>	<u>RE/FT</u>
±0.3	±0.5	±0.5	±1.2

Estimated uncertainties for the individual terms in Eq. (2) were used in the Taylor series method of error propagation to obtain uncertainty in values of heat-transfer coefficient as given below:

<u>H(TO)</u>	<u>Uncertainty, percent</u>
10^{-4}	10
10^{-3}	7
10^{-2}	5

A complete set of the tabulated data is presented in the Appendix of this report.

REFERENCES

1. Martindale, W. R., Kaul, C. E., and Nutt, K. W., "Test Results from the NASA/Rockwell International Space Shuttle Orbiter Heating Test (OH49B) Conducted in the AEDC-VKF Tunnel B," AEDC-DR-74-73, September 5, 1974.
2. Grifall, W. J., "Pretest Information for Testing of the 22-OT 0.0175 Thin-Skin Thermocouple Model in the AEDC 50' B Wind Tunnel Test OH49B," SD74-SH-0131, March 20, 1974.
3. Test Facilities Handbook (Tenth Edition). "von Karman Gas Dynamics Facility, Vol. 3." Arnold Engineering Development Center, May, 1974.

TABLE I.

TEST : OH49B (AEDC V41B-57A)

DATE : 9/5/74

TEST CONDITIONS

[illegible]

BALANCE UTILIZED:

CAPACITY:

ACCURACY:

COEFFICIENT
TOLERANCE:

NI	_____	_____	_____
SF	_____	_____	_____
AF	_____	_____	_____
PM	_____	_____	_____
RM	_____	_____	_____
YM	_____	_____	_____

COMMENTS: Instrumentation consisted of thermocouples only.

TABLE II. TEST SUMMARY

DATASET IDENTIFIER	CONFIGURATION	α	ψ	δ_{BF}	δ_e	δ_{SB}	R E / F T x 10 - 6								
							0.5	1.0	1.5	2.0	2.5	3.0	3.3	3.7	
RVLX01	ORBITER	20	0	0	0	0	166-168	139-141	119-120	85-87	67-69	46-48	28-30	1-3	
02		25					169-171	142-144	121-123	88-90	70-72	49-51	31-33	4-6	
03		30					172-174	145-147	124-126	91-93	73-75	52-54	34-36	7-9	
04		30	2				175-177	148-150		94-96				10-12	
05		35	0				178-180	151-153	127-129	97-99	76-78	55-57	37-39	13-15	
06		40					181-183	154-156	130-132	100-102	79-81	58-60	40-42	16-18	
07		40	2				184-186	157-159		103-105				19-21	
08		45	0				187-189	160-162	133-135	106-108	82-84	61-63	43-45	22-24	
09		50					190-192	163-165	136-138	109-111	115-117	64-66	112-114	25-27	
Y10			20	0	5	0	0	193-194	199-200						209-210
11			30					195-196	201-202		205-206				211-212
12			40					197-198	203-204		207-208				213
13			20	0	15	0	0	246-247	228-229						215-216
14			30					248-249	230-231						217-218
15			40					250-251	232-233						219-220
16			20	0	22	0	0	240-241	234-235						221-222
17			30					242-243	236-237						223-224
18			40					244-245	238-239						225-226
19			20	0	0	5	0	264-265	270-271		288-289		316-317		310-311
20			30					266-267	272-273		290-291		318-319		312-313
21			40					268-269	274-275		292-293		320-321		314-315
22			20	0	15	5	0	252-253	282-283						306-307
23			30					254-255	284-285		298-299		322-323		308-309
24			40					256-257	286-287		300-301		324-325		
25			20	0	22	5	0	258-259	276-277		294-295		326-327		302-303
26			30					260-261	278-279		296-297		328-329		304-305
27			40					262-263	280-281						

NOTE: All angles given in degrees.

X VALUES B, L, U, T

Y VALUES B, L

B = ORBITER FUSELAGE
 L = LOWER WING SURFACE
 U = UPPER WING SURFACE
 T = VERTICAL TAIL

TABLE II. TEST SUMMARY (Concluded)

DATASET IDENTIFIER	CONFIGURATION	α	ψ	δ_{EF}	δ_e	δ_{SB}	RE / FT x 10 - 6								
							0.5	1.0	1.5	2.0	2.5	3.0	3.3	3.7	
RV128		30 40	0	0	10	0	338-339 340-341				334-335 336-337				330-331 332-333
29		20 30 40	0	0	15	0					360-361 362-363 364-365	356-357 358-359			342-343 344-345 346-347
30		30 40	0	15	15	0					366-367 368-369	352-353 354-355			348-349 350-351
31		20 30 40	0	0	15	40	380-381 382-383 384-385	374-375 376-377 378-379							
32		30 40	0	15	15	40	386-387 388-389	370-371 372-373							
33		20 30 40	0	15	-7	40	390-392 393-395 396-398	399-401 402-404 405-407			408-410 411-413 414-416				417-419 420-422 423-425
34		20 30 40	0	15	-30	40	450-452 444-445 447-449	438-440 441-443			453-455 432-434 435-437				426-428 429-431
35															
36															
37															
38															
39															
40															
41															
42															
43															
44															
45															

NOTE: All angles given in degrees.

X VALUES B, L, U, T

Y VALUES B, L

B = ORBITER FUSELAGE

L = LOWER WING SURFACE

U = UPPER WING SURFACE

T = VERTICAL TAIL

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: BODY B₂₅

GENERAL DESCRIPTION: Vehicle 4 Orbiter Fuselage

MODEL SCALE: 0.0175

DRAWING NUMBER: VL70-000200, 202, 203 VL70-000140B

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length, In. (Nose at X = 235)	1293.3	
Max. Width, In. @ X = 1520	232	
Max. Depth, In. @ X = 1450	248.5	

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: CANOPY C_{10}

GENERAL DESCRIPTION: Configuration 4 canopy and windshield as used with B₂₅, 6 glass panes in windshield

MODEL SCALE: 0.0175

DRAWING NUMBER: VL70-000140B, 140C, 202B

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length $X_0 = 434.643$ to 670 -- In.	235.357	
Max Width		
Max Depth, glass -- In.	28.000	

Nose/windshield intersection, $X_0 = 434.643$

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ELEVON - E₂₆

GENERAL DESCRIPTION: Configuration 4

NOTE: VL70-000400 data for (1) of (2) sides. Identical to E₂₅ except airfoil thickness

MODEL SCALE: 0.0175

DRAWING NUMBER: VL70-000200, VL70-000140B

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area	223.5814	
Span (equivalent)	368.34	
Inb'd equivalent chord	119.623	
Outb'd equivalent chord	55.1922	
Ratio movable surface chord/total surface chord		
At Inb'd equiv. chord	0.2096	0.2096
At Outb'd equiv. chord	0.4004	0.4004
Sweep Back Angles, degrees		
Leading Edge	0.00	0.00
Trailing Edge	- 10.056	- 10.056
Hingeline	0.00	0.00
Area Moment (Normal to hinge line)	851.1502	

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: Body Flap F_{10}

GENERAL DESCRIPTION: Vehicle 4 body flap with hingeline at $X_0 = 1532$,

$Z_0 = 287$

MODEL SCALE: 0.0175

DRAWING NUMBER: VL70-000140B, 140C VL70-000200, 200A**

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area, ft^2	133.71	
Span (equivalent), In.	255.42	
Inb'd equivalent chord, In.	81.00	
Outb'd equivalent chord, In.	81.00	
Ratio movable surface chord/total surface chord		
At Inb'd equiv. chord	1.00	1.00
At Outb'd equiv. chord	1.00	1.00
Sweep Back Angles, degrees		
Leading Edge	0	0
Trailing Edge	0	0
Hingeline	0	0
Area Moment (Normal to hinge line) - ft^3	439.92	
** Hingeline shown on -200, -200A drawing is inconsistent with Configuration Control Drawing and should be ignored. Planform dimensions have been utilized.		
Maximum height, In.	20.6	
Base Area, ft^2	36.53	

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: OMS POD - M_4

GENERAL DESCRIPTION: Orbital Maneuvering System Pods Located on the Orbiter Aft Fuselage

MODEL SCALE: 0.0175

DRAWING NUMBER: VL70-000139

DIMENSION:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length - In.	346.0	6.0550
Max Width - In.	108.0	1.890
Max Depth - In.	113.0	113.0

Ø of OMS Pod

WP = 463.9 IN. FS: WP 400 + 63.9 = 463.9

RP = 80.0 IN. FS

Length 1214.0 to 1560.0 = 346.0 IN. FS

NOTE: M_4 identical to M_3 of 2A configuration, except intersection to body.

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: RUDDER - R₅

GENERAL DESCRIPTION: 2A, 3 and 3A Configuration per Rockwell Lines

VL70-000095

MODEL SCALE: 0.0175

DRAWING NUMBER: VL70-000139, VL70-000095

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	106.38	0.03258
Span (equivalent) - In.	201.0	3.5175
Inb'd equivalent chord	91.585	1.60274
Outb'd equivalent chord	50.833	0.88958
Ratio movable surface chord/total surface chord		
At Inb'd equiv. chord	0.400	0.400
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	34.83	34.83
Trailing Edge	26.25	26.25
Hingeline	34.83	34.83
Area Moment (Normal to hinge line), Ft ³	526.13	0.00282
Product of Area and Mean Chord		

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V₇

GENERAL DESCRIPTION: Centerline vertical tail, double wedge airfoil with rounded leading edge.

NOTE: Same as V₅, but with manipulator housing removed.

MODEL SCALE: 0.0175

DRAWING NUMBER: VL70-000139, VL70-000095

DIMENSIONS:

TOTAL DATA

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area (Theo), Ft ²	425.92	0.13044
Planform		
Span (Theo), In	315.72	5.52510
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	26.249	26.249
0.25 Element Line	41.130	41.130
Chords:		
Root (Theo) WP	268.50	4.69875
Tip (Theo) WP	108.47	1.89822
MAC	199.81	3.49667
Fus. Sta. of .25 MAC	1463.50	25.61125
W. P. of .25 MAC	635.522	11.12164
B. L. of .25 MAC	0.00	0.00
Airfoil Section		
Leading Wedge Angle, Deg.	10.000	10.000
Trailing Wedge Angle, Deg.	14.920	14.920
Leading Edge Radius	2.0	0.0350
Void Area - Ft ²	13.17	0.00403
Blanketed Area	0.00	0.00

TABLE III. MODEL DIMENSIONAL DATA (Concluded)

MODEL COMPONENT:	WING - W ₁₁₆		
GENERAL DESCRIPTION:	Configuration 4	NOTE: Identical to W ₁₁₄ except airfoil thickness. Dihedral angle is along trailing edge of wing.	
MODEL SCALE:	0.0175	DRAWING NO.: VL70-000140B, VL70-000200	
DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL DATA			
Area (Theo.)	Ft ²	2690.00	
Span (Theo.)	In.	936.6816	
Aspect Ratio		2.265	2.265
Rate of Taper		1.177	1.177
Taper Ratio		0.200	0.200
Dihedral Angle, degrees		3.500	3.500
Incidence Angle, degrees		0.500	0.500
Aerodynamic Twist, degrees		+ 3.000	+ 3.000
Sweep Back Angles, degrees			
Leading Edge		45.00	45.00
Trailing Edge		- 10.056	- 10.056
0.25 Element Line		35.209	35.209
Chords:			
Root (Theo) B.P.O.O.		689.2429	
Tip, (Theo) B.P.		137.8486	
MAC		474.8117	
Fus. Sta. of .25 MAC		1126.721	
W.P. of .25 MAC		291.00	
B.L. of .25 MAC		187.33491	
EXPOSED DATA			
Area (Theo)	Ft ²	1812.2205	
Span, (Theo)	In. BP108	736.6816	
Aspect Ratio		2.058	2.058
Taper Ratio		0.2451	0.2451
Chords			
Root BP108		570.6230	
Tip 1.00 b/2		137.8512	
MAC		354.2376	
Fus. Sta. of .25 MAC		1164.237	
W.P. of .25 MAC		292.00	
B.L. of .25 MAC		239.67786	
Airfoil Section (Rockwell Mod NASA)XXXX-64			
Root b/2 =		0.113	0.113
Tip b/2 =		0.12	0.12
Data for (1) of (2) Sides			
Leading Edge Cuff			
Planform Area	Ft ²	118.333	
Leading Edge Intersects Fus M. L. @ Sta		505.0	
Leading Edge Intersects Wing @ Sta		1003.5	

TABLE IV. LOCAL MODEL DEFLECTION ANGLES

T/C No.	DEG €	T/C No.	DEG €	T/C No.	DEG €	T/C No.	DEG €
1	90.0	21	2.3	818	-4.5	838	-3.8
2	50.0	22	2.0	819	-4.5	839	-4.5
3	35.5	23	1.4	820	-4.5	840	-4.5
4	23.0	801	1.0	821	-4.5	841	-4.5
5	17.7	802				842	-4.5
6	14.4	803		823	1.0		
7	12.0	804		824		845	90.0
8	10.3	805		825		846	8.0
9	8.6	806		826		847	6.75
10	7.3	807		827		848	4.6
11	6.4	808		828	-2.0	849	3.25
12	5.5	809		829	-3.2	850	2.75
14	4.3	810				851	1.0
15	3.9	811		831	1.0	852	1.1
16	3.6	812	1.0	832		853	0.75
17	3.4	813	-1.5	833		854	-0.5
18	3.1	814	-2.0	834		855	-5.7
19	2.8	815	-2.6	835		856	-8.0
20	2.6	816	-3.2	836	-2.0		
		817	-3.8	837	-3.2	857	90.0

TABLE IV. LOCAL MODEL DEFLECTION ANGLES (Concluded)

	DEG		DEG		DEG		DEG
T/C No.	€	T/C No.	€	T/C No.	€	T/C No.	€
858	90.0	879	90.0	900	1.2	921	2.0
859	12.5	880	90.0	901	1.2	922	90.0
860	6.9	881	16.75	902	1.0	923	3.75
861	2.5	882	10.5	903	-7.5	924	3.0
862	1.1	883	6.25	904	90.0	925	2.25
863	1.0	884	4.0	905	18.0	926	1.75
864	1.6	885	1.5	906	9.0	927	-3.0
865	1.1	886	1.5	907	4.5	928	-7.75
866	0.2	887	1.75	908	2.1	929	90.0
867	-3.5	888	1.1	909	1.6	930	8.5
868	-7.5	889	1.0	910	1.5	931	5.0
869	-9.25	890	-0.5	911	1.0	932	2.5
870	90.0	891	-3.5	912	-3.4	933	2.0
871	90.0	892	-4.6	913	-7.4	934	1.5
872	11.2	893	-8.0	914	-8.9	935	-0.5
873	5.0	894	-9.25	915	90.0	936	-4.5
874	2.0	895	90.0	916	2.0	937	-7.5
875	1.5	896	90.0	917	1.75		
876	1.25	897	17.5	918	-7.25		
877	1.0	898	4.5	919	90.0		
878	0.6	899	2.25	920	2.5		

TABLE V. ORBITER THERMOCOUPLE LOCATIONS

T/C No.	X/L	FULL SCALE			MODEL SCALE			θ	Skin Thickness	Mat'l	Remarks
		X ₀	Y	Z ₀	X from nose	Y	Z				
1	0	235.0	0	-	0	0	-	0		17-4	Bottom \bar{c}
2	.005	241.47			.113						
3	.010	247.93			.226						
4	.020	260.87			.453						
5	.030	273.80			.679						
6	.040	286.73			.905						
7	.050	299.67			1.132						
8	.060	312.60			1.358						
9	.070	385.33			1.584						
10	.080	338.46			1.811						
11	.090	351.40			2.037						
12	.100	364.33			2.263						
14	.120	390.20			2.716						
15	.130	403.13			2.942						
16	.140	416.06			3.169						
17	.150	429.00			3.395						
18	.160	441.93			3.621						
19	.170	454.86			3.848						
20	.180	467.79			4.074						
21	.190	480.73			4.300						
22	.200	493.66			4.527						
23	.225	525.99			5.092						
801	.250	558.33			5.658						
802	.300	622.99			6.790						
803	.350	687.66			7.922						
804	.400	752.32			9.053						
805	.450	816.99			10.185						
806	.500	881.65			11.316						
807	.550	946.32			12.448						
808	.600	1010.9			13.580						
809	.650	1075.6			14.711						
810	.700	1140.3			15.843						
811	.750	1204.9			16.975						
812	.800	1269.6	↓	↓	18.106	↓	↓	↓		↓	

TABLE V. ORBITER THERMOCOUPLE LOCATIONS (Continued)

T/C No.	X/L	FULL SCALE			MODEL SCALE			θ	Skin Thickness	Mat'l	Remarks
		X ₀	Y	Z ₀	X from nose	Y	Z				
813	.850	1324.3	0	-	19.063	0	-	0		17-4	Bottom ℓ
814	.900	1398.9			20.369						
815	.925	1431.3			20.935						
816	.950	1463.6			21.501						
817	.975	1495.9			22.067						
818	1.015	1547.7			22.972						
819	1.03	1567.1			23.312						
820	1.045	1586.8			23.651						
821	1.06	1605.6			23.977						
59	.010	247.93			.226			180			Top ℓ
60	.025	267.33			.565						
61	.050	299.67			1.129						
62	.075	332.0			1.694						
63	.100	364.33			2.258						
64	.125	396.66			2.823						
65	.150	429.0			3.387						
66	.160	441.93			3.613						
67	.170	459.86			3.839						
68	.180	467.79			4.064						
69	.200	493.66			4.516						
72	.401	754.12			9.085				.030	15-5	
73	.500	883.15			11.343				.030		
74	.601	1012.16			13.601				.031		
75	.701	1141.21			15.859				.032		
76	.801	1270.24			18.117				.030		
77	-	-	29.60	478.0	-	.518	8.365	-		17-4	Window #1 Top Lt
78			12.80	478.0		.224	8.365				Top Rt
79			21.20	464.9		.371	8.137				Center
80			34.40	452.0		.602	7.910				Bot. Lt
81			6.00	482.0		.105	7.910				Bot. Rt
82			43.20	478.0		.756	8.365				Window #2 Top Lt
83			34.80	478.0		.609	8.365				Top Rt
84			44.80	464.9		.784	8.137				Center
85			59.20	452.0		1.036	7.910				Bot Lt

TABLE V. ORBITER THERMOCOUPLE LOCATIONS (Continued)

T/C No.	X, L	FULL SCALE			MODEL SCALE			θ	Skin Thickness	Mat'l	Remarks
		X ₀	Y	Z	X from nose	Y	Z				
86	-	-	40.40	452.0	-	.707	7.910	-		17-4	Window #2 Bot Rt
87	↓	↓	62.40	464.9		1.092	8.317	140			Window #3 Center
88	.100	364.3	20.00	-	2.263	0.350	-	10			Fuse. Bot. Surf.
89	.150	429.0	24.00		3.395	0.420		10			
90	.050	299.6	25.00		1.132	0.438		14			
91	.200	493.6	25.00		4.527	0.438		11.5			
93	.200	493.6	50.00		4.527	0.875		24			
822	.300	622.9	46.80		6.789	0.819		-			
823	.400	752.3			9.053						
824	.500	881.6			11.316						
825	.600	1019.9			13.579						
826	.700	1190.3			15.843						
827	.800	1269.6			18.106						
828	.900	1398.9			20.369						
829	.950	1463.6	↓		21.501	↓					
830	.300	622.9	93.60		6.789	1.638					
831	.400	752.3			9.053						
832	.500	881.6			11.316						
833	.600	1010.9			13.579						
834	.700	1140.3			15.843						
835	.800	1269.6			18.106						
836	.900	1398.6			20.369						
837	.950	1463.6			21.501						
838	.975	1495.9			22.067						
839	1.015	1547.7			22.972						
840	1.03	1567.1			23.312						
841	1.045	1586.4			23.652						
842	1.06	1605.8	↓		23.991	↓					
843	.900	1398.9	109.98		20.369	1.925					
844	.950	1463.6	117.00		21.501	2.048		↓			↓
103	.100	364.3	35.20		2.263	.686		20			Fuselage Side
104	.150	429.0	40.80	↓	3.395	.714	↓	20			
105	.050	299.6	-	303.6	1.132	-	5.313	22			CCL Tan
106	.100	364.3	52.00	-	2.263	.910	-	24.5		↓	↓

TABLE V. ORBITER THERMOCOUPLE LOCATIONS (Continued)

T/C No.	X/L	FULL SCALE			MODEL SCALE			θ	Skin Thickness	Mat'l	Remarks
		X ₀	Y	Z	X from nose	Y	Z				
107	.150	429.0	62.00	-	3.395	1.085	-	25.5		17-4	Fus. Side CCL Tan
108	.200	493.6	65.60	287.2	4.527	1.148	5.026	31.5			
110	.200	493.6	75.60	292.0	4.527	1.323	5.110	35			
111	.150	429.0	79.20	304.8	3.395	1.386	5.334	40			
112	.200	493.6	85.20	298.8	4.527	1.491	5.229	40			
115	.050	299.6	-	325.6	1.132	-	5.698	35			MHB Tan
116	.100	364.3	-	317.6	2.263	-	5.558	39			
117	.150	429.0	83.60	314.4	3.395	1.463	5.502	45.5			
118	.200	493.6	-	320.0	4.527	-	5.600	51			
121	.076	333.2		350.0	1.720		6.125	-			RCS Center
127	.050	299.6		342.4	1.132		5.992	42.5			Tangent (Upper)
128	.020	493.6		360.0	4.527		6.300	67.5			
131	.050	299.6		378.4	1.132		6.622	60			45° Tangent
132	.100	364.3		410.0	2.263		7.175	119			
133	.200	493.6		410.0	4.527			96.5			Fuselage Side
969	.925	1431.5		300	20.939		5.250	-			
970				280			4.900				
971				271.6			4.753				
972	.950	1463.7		336	21.504		5.880				
973				308			5.390				
974				284			4.970				
975				275.6			4.823				
976	.975	1496.0		381.2	22.068		6.671				
977				336.8			5.894				
978				308			5.390				
979				290			5.075				
980				280.8			4.914				
135	.401	754.12		430.0	9.085		7.525	105	.033	15-5	Upper Body
136	.501	883.15			11.343				.032		
137	.601	1002.18			13.601				.032		
138	.701	1141.21			15.859				.032		
139	.800	1270.24			18.117				.032		
142	.401	754.12		-	9.085		-	135	.033		
143	.501	883.15		-	11.343		-		.031		

TABLE V. ORBITER THERMOCOUPLE LOCATIONS (Continued)

T/C No.	X/L	FULL SCALE			MODEL SCALE			θ	Skin Thickness	Mat'l	Remarks
		X ₀	Y	Z	X from nose	Y	Z				
144	.601	1012.18	-	-	13.601	-	-	135	.033	15-5	Upper Body
145	.701	1141.21			15.859			135	.032		
146	.601	1012.18		↓	13.601		↓	113	.032		
147	↓	↓		440.0	↓		7.700	112	.032		
148	.751	1205.73		450.0	16.988		7.875	116	.032		
149	↓	↓		490.0	↓		8.575	149	.034		
241	.829	1307		-	18.760		-	-	.026		Bot. Crease of OMS
242	.900	1399.27			20.374				.035		
243	.975	1496.04	↓		22.068	↓			.030		
244	1.000	1528.3	121.42		22.633	2.125			.034		Bot. of RCS
245	1.014	1547.0	121.42	↓	22.960	2.125	↓		.035		
246	.780	1245	95.0	474.0	17.675	1.663	8.295		.032		OMS Pod
247	.805	1276	112.9		18.218	1.976			.031		
248	.829	1307	124.5		18.760	2.179			.031		
249	.862	1350	132.6		19.513	2.320			.035		
250	.963	1480	142.5		21.788	2.494			.028		
251	1.000	1528.3	142.5		22.633	2.494			.033		
252	1.014	1597.0	-	↓	22.960	-	↓		.033		
253	.805	1276	105.5	488	18.218	1.846	8.54		.032		
254	.829	1307	117.0	498.7	18.760	2.048	8.727		.033		
255	.862	1350	126.5	506	19.513	2.214	8.555		.031		
256	.963	1480	134.5	513	21.788	2.354	8.978		.028		
257	1.000	1528.3	-	500	22.633	-	8.750		.031		
258	1.014	1547.0	↓	↓	22.960	↓	8.750		.032		
259	.805	1276	95.0	494.3	18.218	1.663	8.650		.033		
260	.829	1307		511.0	18.760	1.663	8.943		.034		
261	.862	1350		521.0	19.513	1.663	9.118		.031		
262	.963	1480	↓	530.0	21.788	1.663	9.275		.027		
263	.862	1350	65	517.5	19.513	1.138	9.056		.031		
264	.963	1480	↓	527.0	21.788	1.138	9.223	↓	.026	↓	↓

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TABLE V. ORBITER THERMOCOUPLE LOCATIONS (Continued)

T/C No.	$\frac{2Y}{b}$	X/C	FULL SCALE		MODEL SCALE		ELEVON T/C	Skin Thickness	Mat'l	Remarks
			X ₀	Y	X from L.E.	Y				
845	.300	0		140.51	0	2.459			17-4	Wing Lower Surf
846		.05			.670					
847		.10			1.34					
848		.20			2.68					
849		.30			4.02					
850		.40			5.36					
851		.50			6.70					
852		.60			8.04					
853		.70			9.38					
854		.80			10.72					
855		.90			12.06		X			
856		.95			12.73		X			
857	.350	0		163.9	0	2.869				
858	.400	0		187.3	0	3.278				
859		.05			.438					
860		.10			.876					
861		.20			1.753					
862		.30			2.629					
863		.40			3.506					
864		.50			5.258					
865		.60			6.135					
866		.70			6.573					
867		.80			7.449		X			
868		.90			7.888		X			
869		.95			8.326		X			
870	.450	0		210.7	0	3.688				
871	.500	0		234.1	0	4.098				
872		.05			.364					
873		.10			.727					
874		.20			1.454					
875		.30			2.181					
876		.40			2.908					
877		.50			4.362					
878		.60			6.542					

TABLE V. ORBITER THERMOCOUPLE LOCATIONS (Continued)

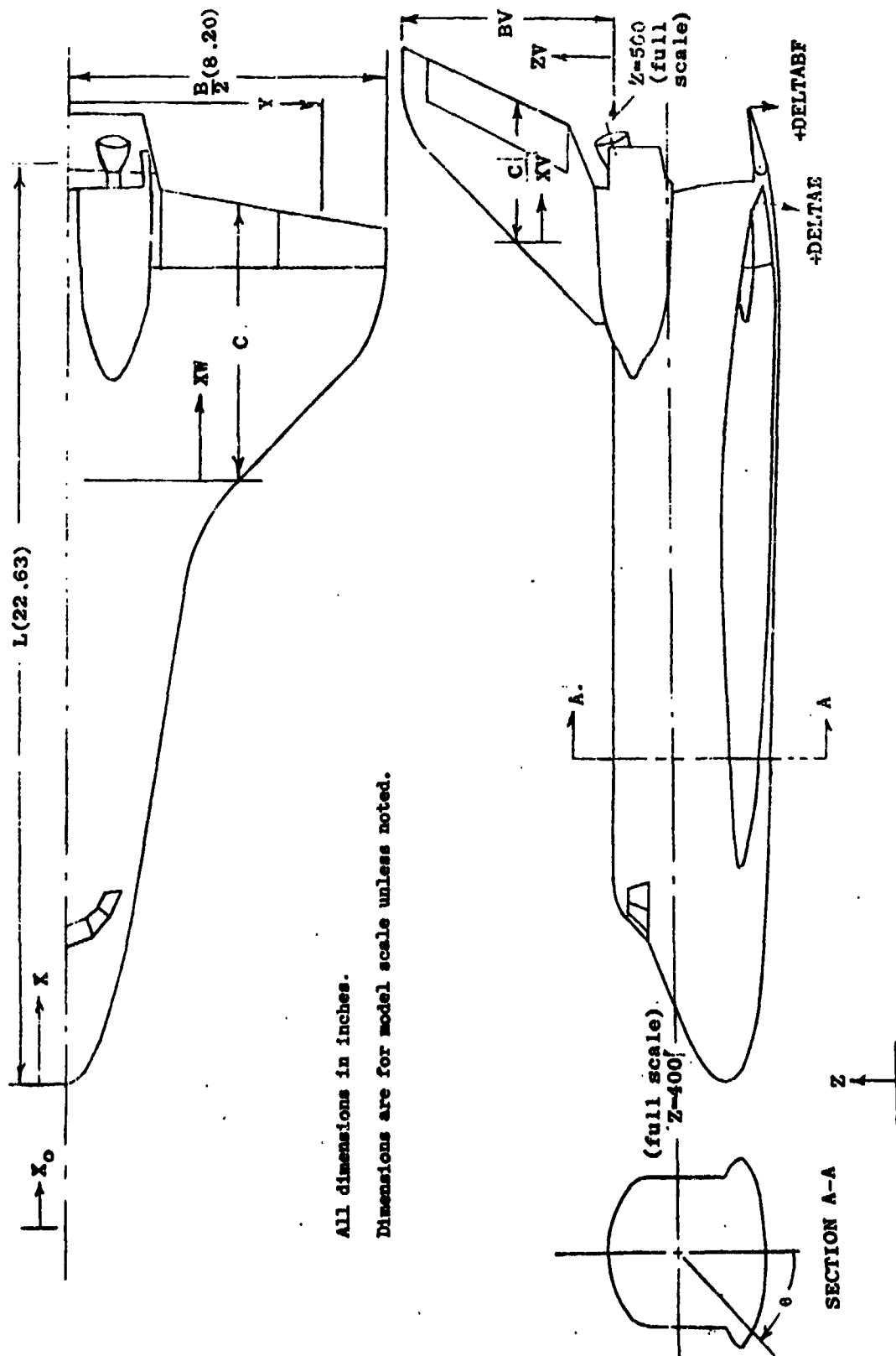
T/C No.	$\frac{2Y}{b}$	X/C	FULL SCALE		MODEL SCALE		ELEVON T/C	Skin Thickness	Mat'l	Remarks
			X ₀	Y	X from L.E.	Y				
879	.550	0		257.6	0	4.508			17-4	Wing Lower Surf.
880	.600	0		281.02	0	4.918				
881		.025			.157					
882		.05			.314					
883		.075			.470					
884		.10			.627					
885		.20			1.254					
886		.30			1.882					
887		.40			2.059					
888		.50			3.136					
889		.60			3.763					
890		.70			4.390					
891		.80			5.018		X			
892		.85			5.331		X			
893		.90			5.695		X			
894	↓	.95		↓	5.958	↓	X			
895	.650	0		309.4	0	5.327				
896	.700	0		327.83	0	5.737				
897		.025			.133					
898		.10			.531					
899		.20			1.061					
900		.30			1.592					
901		.40			2.123					
902		.60			3.184					
903	↓	.90		↓	4.776	↓				
904	.750	0		352.8	0	6.174				
905		.025			.121					
906		.05			.241					
907		.10			.483					
908		.20			.965					
909		.30			1.448					
900		.40			1.930					
911		.60			2.895					
912	↓	.80		↓	3.860	↓	X		↓	↓

TABLE V. ORBITER THERMOCOUPLE LOCATIONS (Continued)

T/C No.	$\frac{2Y}{b}$	X/C	FULL SCALE		MODEL SCALE		ELEVON T/C	Skin Thickness	Mat'l	Remarks
			X ₀	Y	X from L.E.	Y				
913	.750	.90		352.8	4.343	6.174	X		17-4	Wing Lower Surf
914	↓	.95		↓	4.584	↓	X			
915	.800	0		374.6	0	6.557				
916		.20			.868					
917		.40			1.737					
918	↓	.90		↓	2.908	↓	X			
919	.850	0		398.1	0	6.967				
920		.20			.772					
921	↓	.40		↓	1.544	↓				
922	.900	0		421.4	0	7.376				
923		.10			.338					
924		.20			.675					
925		.30			1.013					
926		.50			1.689					
927		.80			2.702		X			
928	↓	.90		↓	3.039	↓	X			
929	.950	0		444.9	0	7.786				
930		.05			.138					
931		.10			.276					
932		.20			.552					
933		.30			.827					
934		.50			1.379					
935		.70			1.931		X			
936		.80			2.206		X			
937	↓	.90		↓	2.482	↓	X			
938	.250	.085		117.0	1.357	2.049				Wing Upper Surf
939		.135			2.156					
940	↓	.225		↓	3.593	↓				
941	.400	.05		187.3	.483	3.278				
942		.20			1.753					
943		.40			3.506					
944		.60			5.258					
945	↓	.95		↓	8.326	↓	X			
946	.60	.025		281.0	.157	4.918				

TABLE V. ORBITER THERMOCOUPLE LOCATIONS (Concluded)

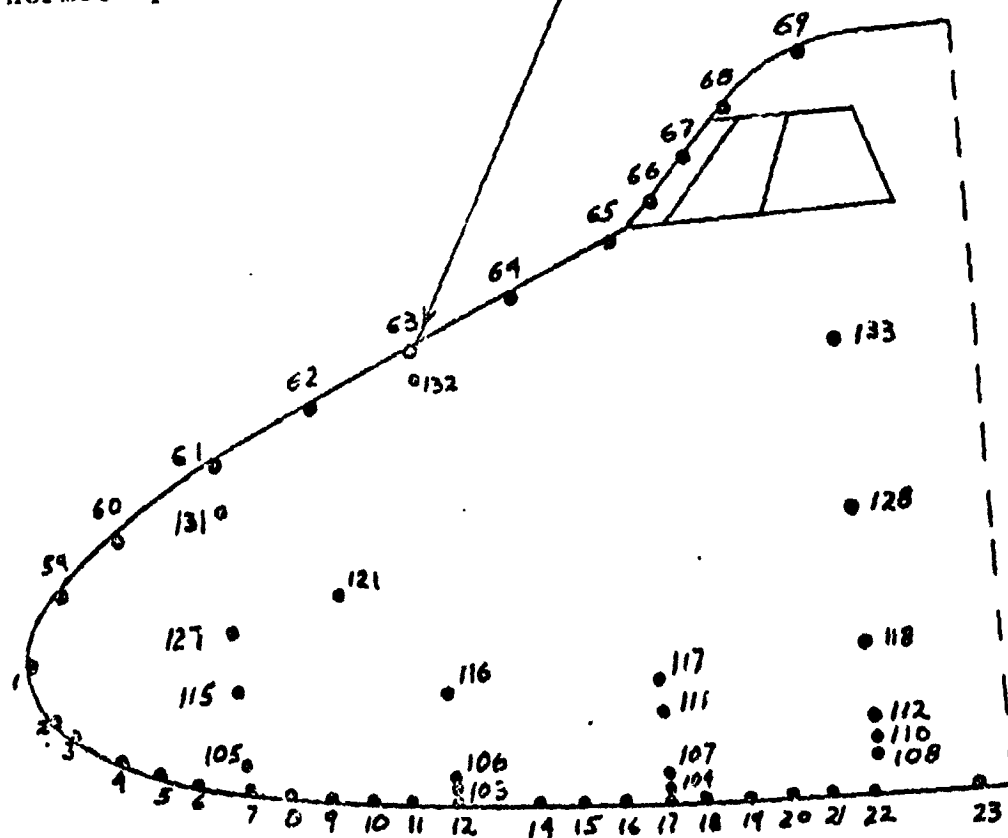
T/C No.	2Y b	X/C	FULL SCALE		MODEL SCALE		ELEVON T/C	Skin Thickness	Mat'l	Remarks
			X ₀	Y	X from L.E.	Y				
947	.600	.05		281.02	.314	4.918			17-4	Wing Upper Surf.
948		.10			.627					
949		.20			1.254					
950		.40			2.509					
951		.60			3.763					
952		.85			5.331		X			
953	↓	.95		↓	5.958	↓	X			
954	.700	.20		327.83	1.061	5.737				
955	↓	.40		↓	2.123					
956	↓	.90		↓	4.776	↓	X'			
957	.750	.10		352.25	.483	6.147				
958	↓	.20			.965					
959	↓	.40			1.930					
960	↓	.60			2.895					
961	↓	.80			5.860		X			
962	↓	.90		↓	4.430	↓	X			
963	.80	.90		374.69	3.908	6.557	X			
964	.90	.20		421.49	.675	7.376				
965	↓	.40		↓	1.351	↓				
966	.95	.20		4.449	.552	7.786				
967	↓	.40		↓	1.103	↓				
968	↓	.80		↓	2.206	↓	X		↓	↓



All dimensions in inches.
Dimensions are for model scale unless noted.

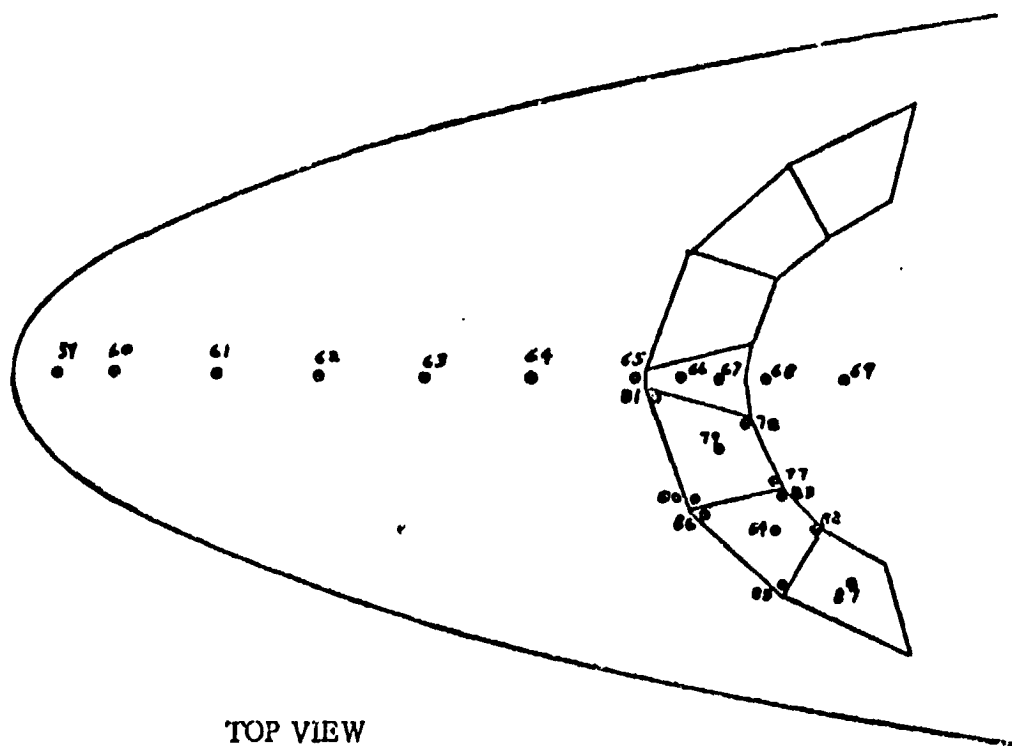
Figure 1. Orbiter model with instrumentation reference system.

Thermocouple Location (Typ.) -

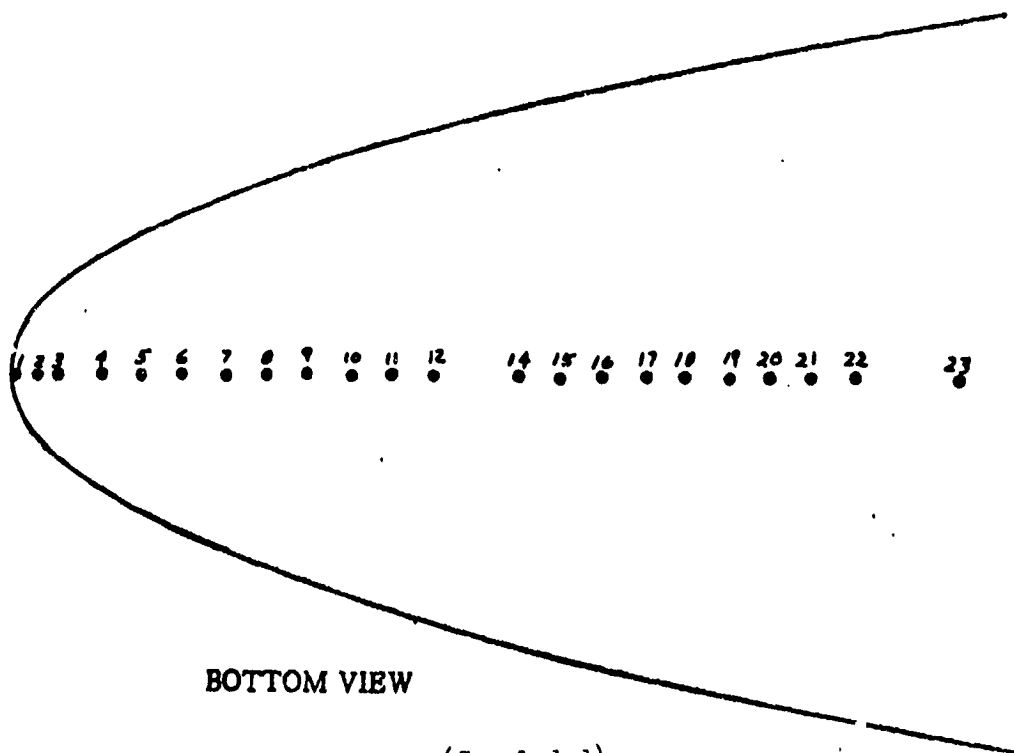


SIDE VIEW

a. Orbiter Model Nose and Cabin T/C Locations
Figure 2. Model sketches.

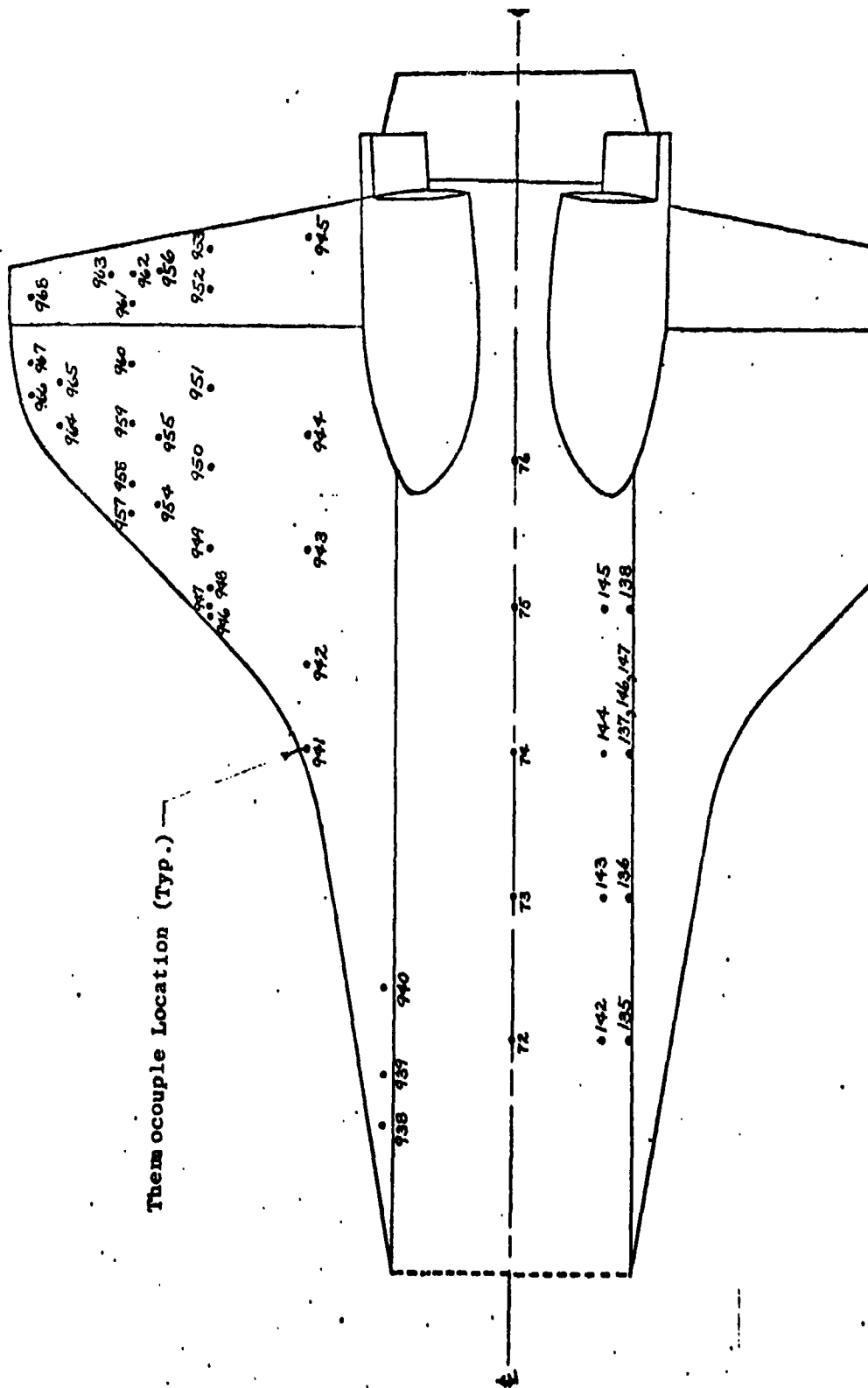


TOP VIEW

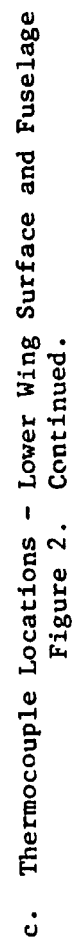


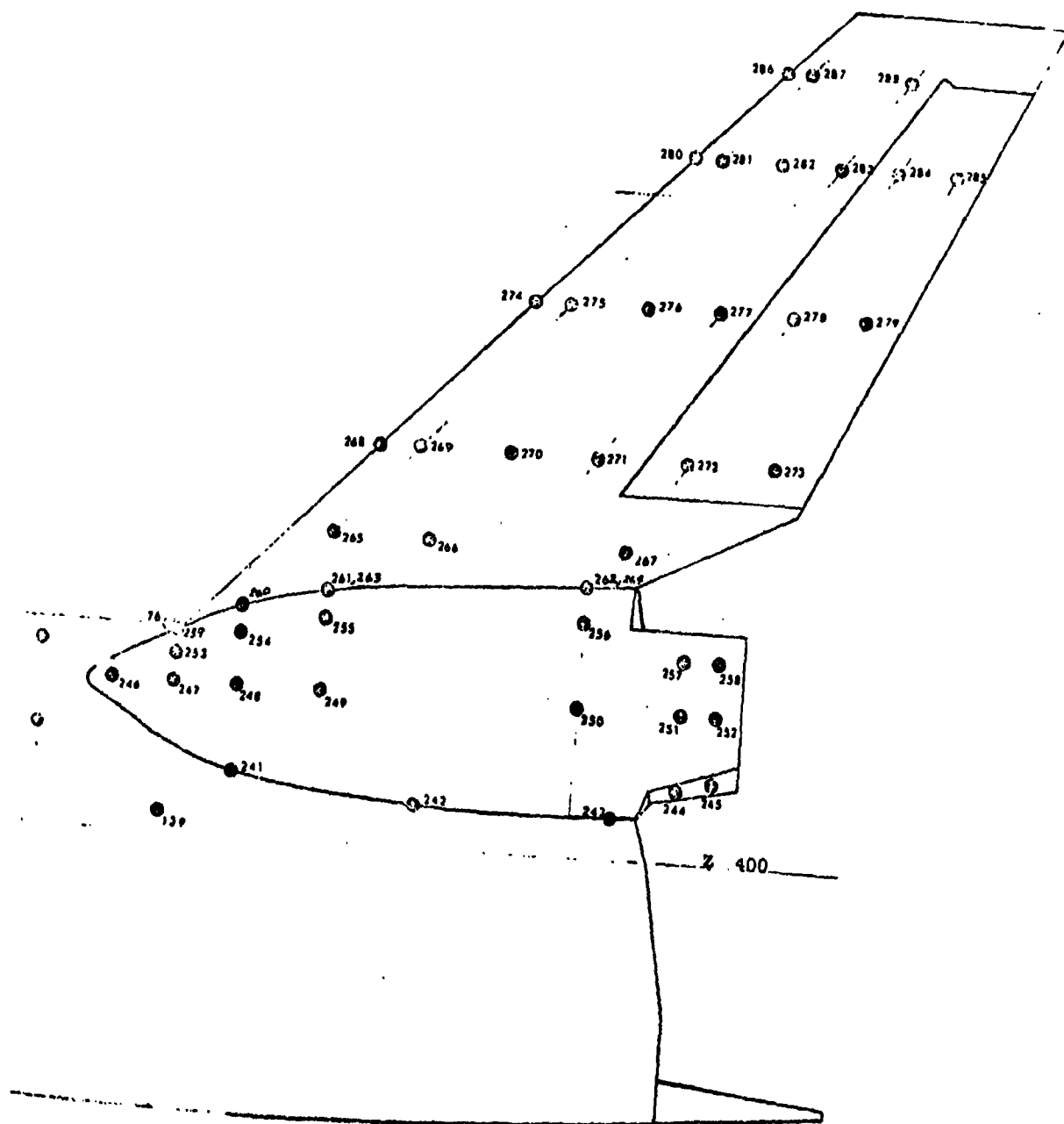
BOTTOM VIEW

a. (Concluded)
Figure 2. Continued.

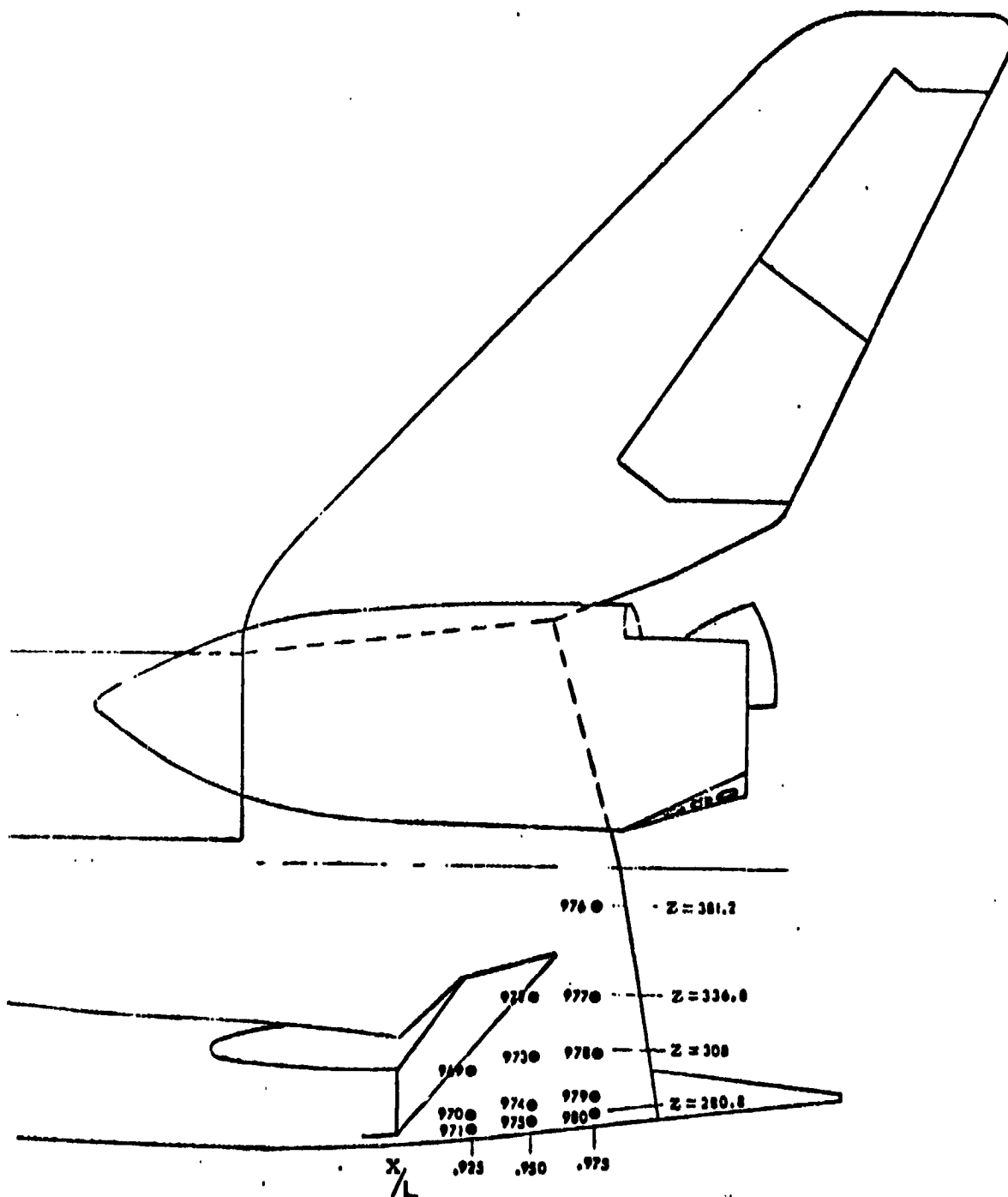


b. Thermocouple Locations - Upper Wing Surface and Fuselage
Figure 2. Continued.

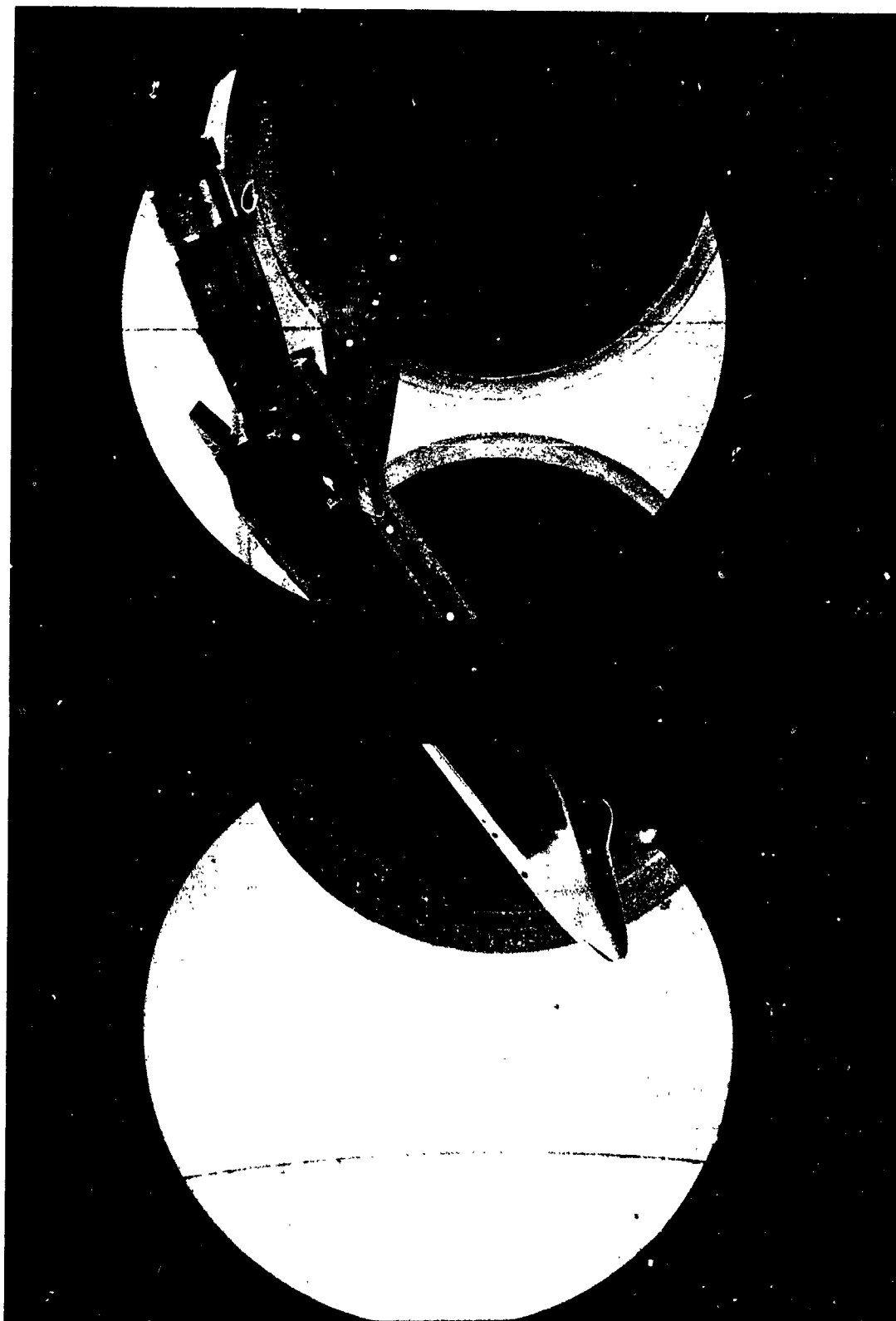




d. Thermocouple Locations - Vertical Tail and OMS Pod
Figure 2. Continued.



e. Thermocouple Locations - Orbiter Aft Fuselage
Figure 2. Continued.



a. Orbiter Mounted Inverted in Test Section
Figure 3. Model photographs.



b. Orbiter in Injection Chamber Prior to Insertion into Test Section
Figure 3. Continued.

APPENDIX

TABULATED SOURCE DATA

Data are available on request from Data Management Services.

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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LOWER WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL01)

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0300 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
166	7.900	.5480	20.01	.0000	180.0	109.3	.1200-01	1251.	92.80	.5310	3729.	.138-04
167	7.900	.5523	20.02	.0000	180.0	110.3	.1200-01	1252.	92.96	.5350	3731.	.107-04
168	7.900	.5422	20.03	.0000	180.0	108.6	.1200-01	1255.	93.10	.5270	3734.	.1088-04

RUN NUMBER	MU	LB-SEC /FT ²	WREF BTU/ R FT ² SEC	ST FR R =
166	.7472-07	.1777-01	.5480-01	0.0175
167	.7478-07	.1785-01	.5459-01	.5480-01
168	.7493-07	.1772-01	.5507-01	.5507-01

TEST DATA

RUN NUMBER	2V/R	X/C	T/C NO	H/WREF R=0.9	H/WREF R=1.0	H/WREF (TAW)	H19T0 BTU/ R FT ² SEC	H1T0 BTU/ R FT ² SEC	H1TAM1 BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTNOT DEG. R /SEC	TW DEG. R
168	30000	.00000	845.00	.3860-01	.3180-01	.3250-01	.6843-03	.5638-03	.5762-03	.4020	4.478	542.3
168	30000	.50000-01	846.00	.1051	.8630-01	.1032	.1862-02	.1530-02	.1829-02	.1.075	11.92	552.1
168	30000	.10000-00	847.00	.8660-01	.7120-01	.8553-01	.1534-02	.1261-02	.1516-02	.8900	7.603	549.4
168	30000	.20000	848.00	.6250-01	.6790-01	.8233-01	.1463-02	.1203-02	.1459-02	.8510	6.104	547.5
168	30000	.40000	850.00	.5370-01	.4420-01	.5403-01	.9517-03	.7829-03	.9558-03	.5540	3.973	547.5
168	30000	.50000	851.00	.4240-01	.3430-01	.4293-01	.7512-03	.6182-03	.7508-03	.4380	3.249	546.3
168	30000	.60000	852.00	.3720-01	.3050-01	.3743-01	.6555-03	.5397-03	.6635-03	.3830	2.846	541.4
168	30000	.70000	853.00	.3360-01	.2770-01	.3413-01	.5952-03	.5044-03	.6044-03	.3530	2.514	542.8
168	30000	.80000	854.00	.3110-01	.2570-01	.3173-01	.5519-03	.4549-03	.5623-03	.3250	2.415	540.9
168	30000	.90000	855.00	.1560-01	.1290-01	.1633-01	.2773-03	.2290-03	.2880-03	.1650	1.211	534.1
168	30000	.95000	856.00	.1350-01	.1110-01	.1413-01	.2388-03	.1973-03	.2500-03	.1430	1.030	532.4
168	30000	.00000	857.00	.8570-01	.7050-01	.7203-01	.1519-02	.1249-02	.1277-02	.8900	7.523	549.7
168	40000	.00000	858.00	.1580	.1619	.1653	.3510-02	.2870-02	.2935-02	1.976	19.79	566.3
168	40000	.50000-01	859.00	.3438	.2814	.3303	.6093-02	.4968-02	.5862-02	3.449	24.55	563.2
168	40000	.10000-00	860.00	.1953	.1611	.1937	.3478-02	.2854-02	.3433-02	1.995	14.26	555.3
168	40000	.20000	861.00	.9610-01	.7900-01	.9673-01	.1702-02	.1400-02	.1713-02	.9870	7.311	549.4
168	40000	.30000	862.00	.7280-01	.5990-01	.7373-01	.1291-02	.1062-02	.1306-02	.7510	5.391	547.1

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-498) COLLATION CHECK

DATE 25 AUG 76

RUN NUMBER	2V/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(19T) BTU/ R FT/SEC	H(10T) BTU/ R FT/SEC	H(1TA) BTU/ R FT/SEC	QOOT BTU/ R FT/SEC	DTMOT DEG. R /SEC	TW DEG. R
168	40000	40000	863.00	5700-01	4690-01	5770-01	1010-02	8317-03	1023-02	5900	4.531	545.1
168	40000	60000	864.00	5530-01	4560-01	5590-01	9808-03	8083-03	9907-03	5760	3.897	541.5
168	40000	70000	865.00	5930-01	4890-01	6000-01	1051-02	8664-03	1064-02	5570	4.179	541.2
168	40000	75000	866.00	5330-01	4400-01	5420-01	9449-03	7790-03	9599-03	5570	4.145	536.8
168	40000	85000	867.00	3920-01	3240-01	4040-01	6950-03	5737-03	7163-03	4120	3.126	536.1
168	40000	90000	868.00	2890-01	2380-01	3020-01	5118-03	4226-03	5350-03	3040	2.621	534.6
168	40000	95000	869.00	2440-01	2010	2560-01	4322-03	3571-03	4543-03	2580	2.099	533.2
168	50000	10000	871.00	5620	4560	4668	9960-02	6081-02	8272-02	5373	43.33	509.8
168	50000	10000-01	872.00	3014	2470	2917	5342-02	4377-02	5170-02	3.043	23.19	559.6
168	50000	10000-00	873.00	1690	1389	1683	2995-02	2461-02	2167-02	1.732	12.81	551.2
168	50000	20000	874.00	1213	9380-01	1223	2149-02	1768-02	1836-02	1.059	8.995	546.7
168	50000	30000	875.00	1025	8440-01	1036	1817-02	1495-02	1620-02	7.601	7.601	546.5
168	50000	40000	876.00	9040-01	7440-01	9140-01	1601-02	1318-02	1244-02	6.721	6.721	545.0
168	50000	50000	877.00	6930-01	5710-01	7020-01	1229-02	1013-02	1244-02	5.031	5.031	541.8
168	50000	60000	878.00	3110-01	2570-01	3150-01	5505-03	4547-03	5583-03	2.576	2.576	533.9
168	50000	70000	879.00	5756	4673	4786	1027-01	8281-02	8483-02	3.363	44.53	607.1
168	50000	80000	880.00	4042	3275	3353	7163-02	5805-02	7716-02	3.841	34.32	593.0
168	60000	25000-01	881.00	4621	3768	4354	8189-02	6677-03	5943-02	34.32	34.32	575.1
168	60000	50000-01	882.00	2525	2067	2451	4474-02	3549-02	4283-02	2.534	18.28	563.0
168	60000	75000-01	883.00	2441	2002	2.17	4326-02	3549-02	4283-02	2.478	18.28	556.6
168	60000	10000-00	884.00	1755	1442	1755	3110-02	2556-02	3110-02	1.801	12.90	550.3
168	60000	20000	885.00	8560-01	7050-01	8650-01	1516-02	1249-02	1532-02	8900	6.399	542.5
168	60000	30000	886.00	6620-01	5450-01	6690-01	1173-02	9666-03	1185-02	4.663	4.663	541.2
168	60000	40000	887.00	5870-01	4840-01	5930-01	1041-02	8577-03	1051-02	4.267	4.267	541.2
168	60000	50000	888.00	6210-01	5120-01	6290-01	1101-02	9075-03	1114-02	4.525	4.525	540.0
168	60000	60000	889.00	5900-01	4650-01	5970-01	1045-02	8618-03	1058-02	4.307	4.307	538.8
168	60000	80000	891.00	3550-01	2930-01	3650-01	6284-03	5169-03	6476-03	3.740	2.787	534.8
168	60000	85000	892.00	3550-01	3220-01	4040-01	6918-03	4619-03	7158-03	3.024	3.024	533.9
168	60000	90000	893.00	3150-01	2610-01	3300-01	5569-03	4619-03	5851-03	2.535	2.535	532.2
168	60000	95000	894.00	2170-01	1790-01	2280-01	3839-03	3173-03	4034-03	1.745	1.745	531.3
168	60000	10000	895.00	3495	2842	2909	6193-02	5038-02	5155-02	3.387	28.47	582.4
168	60000	25000-01	896.00	1880	1535	1570	3332-02	2720-02	2783-02	24.01	24.01	571.7
168	70000	50000	897.00	2234	1833	2102	3960-02	3248-02	3726-02	20.91	20.91	556.7
168	70000	10000-00	898.00	1576	1297	1573	2793-02	2298-02	2787-02	11.31	11.31	546.7
168	70000	20000	899.00	1089	8970-01	1097	1929-02	1589-02	1944-02	7.015	7.015	542.4
168	70000	30000	900.00	8130-01	6700-01	8220-01	1440-02	1187-02	1457-02	5.271	5.271	539.2
168	70000	40000	901.00	9750-01	8040-01	9670-01	1729-02	1425-02	1749-02	8.500	8.500	540.1
168	70000	50000	902.00	1010	8330-01	1023	1791-02	1476-02	1813-02	6.490	6.490	540.5
168	70000	60000	903.00	3290-01	2720-01	3440-01	5831-03	4819-03	6094-03	8.728	8.728	531.9
168	70000	70000	904.00	8970-01	7320-01	7480-01	1572-02	1297-02	1325-02	2.519	2.519	538.5
168	75000	25000-01	905.00	3788	3092	3550	6714-02	5479-02	6292-02	29.33	29.33	572.4
168	75000	50000-01	906.00	2871	2358	2808	5089-02	4178-02	4976-02	21.67	21.67	553.2
168	75000	10000-00	907.00	1956	1608	1951	3466-02	2650-02	3453-02	13.97	13.97	548.9

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AEDC VWF V41B-57A (OH-498) COLLATION DELK

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(RV1L01)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(19T) BTU/R FT2SEC	H(10T) BTU/R FT2SEC	H(TAH) BTU/R FT2SEC	QDOT BTU/ FT2SEC	D14DT DEG. R /SEC	TW DEG. R
168	75000	20000	908.00	1068	8810-01	1077	1894-02	1560-02	1909-02	1.113	7.759	541.5
168	75000	30000	909.00	7730-01	6380-01	7810-01	1370-02	1130-02	1384-02	.9100	5.171	538.1
168	75000	40000	910.00	6570-01	5420-01	6540-01	1164-02	9605-03	1176-02	.6890	4.528	537.6
168	75000	60000	911.00	5190-01	5110-01	6270-01	1097-02	9056-03	1111-02	.6510	4.414	535.7
168	75000	80000	912.00	5570-01	4600-01	5730-01	9885-03	8145-03	1016-02	.5860	4.860	535.3
168	75000	90000	913.00	4450-01	3670-01	4650-01	7881-03	6512-03	8234-03	.4710	3.458	532.2
168	75000	95000	914.00	3200-01	2640-01	3360-01	5666-03	4684-03	5948-03	.3390	2.576	531.2
168	80000	00000	915.00	3474	2830	2896	6157-02	5016-02	5132-02	3.35	30.99	577.9
168	80000	20000	916.00	1362	1123	1373	2413-02	.989-02	2434-02	1.421	9.910	540.5
168	80000	40000	917.00	8270-01	6820-01	8350-01	1466-02	1209-02	1480-02	.8660	6.237	538.9
168	80000	60000	918.00	2820-01	2330-01	2940-01	4993-03	4127-03	5213-03	.2990	2.197	530.8
168	80000	80000	919.00	4048	3298	3375	7174-02	5845-02	5981-02	3.958	30.97	577.6
168	85000	20000	920.00	1448	1193	1457	2567-02	2115-02	2583-02	1.506	10.83	542.5
168	85000	40000	921.00	9670-01	7970-01	9750-01	1713-02	1413-02	1728-02	1.010	7.515	539.9
168	90000	00000	922.00	2541	2082	2129	4302-02	3690-02	3773-02	2.564	20.24	559.7
168	90000	10000+00	923.00	1960	1613	1962	3474-02	2859-02	3477-02	2.026	15.03	546.1
168	90000	20000	924.00	1360	1120	1365	2409-02	1985-02	2420-02	1.413	10.16	542.8
168	90000	30000	925.00	1254	1033	1263	2222-02	1831-02	2238-02	1.307	9.405	541.2
168	90000	50000	926.00	9660-01	7890-01	9660-01	1695-02	1398-02	1711-02	1.001	7.210	538.9
168	90000	80000	927.00	6310-01	5210-01	6490-01	1117-02	9229-03	1149-02	.6650	5.226	534.0
168	90000	90000	928.00	4680-01	3870-01	4890-01	8291-03	6850-03	8673-03	.4950	3.957	532.8
168	95000	00000	929.00	1556	1280	1309	2757-02	2269-02	2319-02	1.609	11.94	545.5
168	95000	50000-01	930.00	1883	1549	1846	3333-02	2745-02	3272-02	1.940	13.91	548.0
168	95000	10000+00	931.00	1584	1366	1676	2984-02	2456-02	2971-02	1.743	12.94	545.1
168	95000	20000	932.00	1579	1301	1553	2799-02	2306-02	2817-02	1.642	11.44	542.5
168	95000	30000	933.00	1301	1072	1312	2305-02	1900-02	2325-02	1.357	9.767	540.7
168	95000	50000	934.00	8650-01	7140-01	8740-01	1533-02	1265-02	1549-02	.9060	6.752	538.0
168	95000	70000	935.00	6140-01	5070-01	6260-01	1039-02	8989-03	1109-02	.6470	4.910	534.9
168	95000	80000	936.00	6220-01	5140-01	6440-01	1103-02	9110-03	1141-02	.6570	4.906	533.4
168	95000	90000	937.00	4150-01	3430-01	4330-01	7348-03	6072-03	7679-03	.4390	3.335	531.9

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL01)

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPDRK = .0000
 BDFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
139	7.940	1.009	20.02	.0000	180.0	209.1	.2200-01	1272.	93.50	.9920	3762.	.2018-04
140	7.940	1.028	20.03	.0000	180.0	211.6	.2300-01	1266.	93.10	1.004	3753.	.2051-04
141	7.940	1.027	20.03	.0000	180.0	211.1	.2300-01	1265.	92.90	1.002	3751.	.2049-04

RUN NUMBER	MJ- LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
139	.7526-07	.2437-01	0.0175
140	.7492-07	.2450-01	.4049-01
141	.7483-07	.2446-01	.4014-01
			.4015-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(TAW) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTMDT DEG. R /SEC	TM DEG. R
141	.30000	.00000	845.00	.3740-01	.3080-01	.3150-01	.9147-03	.7537-03	.7703-03	.5410	6.025	546.4
141	.30000	.50000-01	846.00	.1034	.8490-01	.1016	.2530-02	.2076-02	.2485-02	1.464	16.17	559.9
141	.30000	.10000+00	847.00	.9400-01	.7720-01	.9280-01	.2299-02	.1869-02	.2271-02	1.342	11.44	554.6
141	.30000	.20000	848.00	.8090-01	.6560-01	.8070-01	.1980-02	.1629-02	.1975-02	1.162	8.318	551.6
141	.30000	.40000	850.00	.5290-01	.4190-01	.5120-01	.1246-02	.1025-02	.1253-02	.7310	5.234	551.6
141	.30000	.50000	851.00	.3940-01	.3250-01	.3980-01	.9650-03	.7940-03	.9773-03	.5670	4.194	551.1
141	.30000	.60000	852.00	.3640-01	.3000-01	.3650-01	.8917-03	.7339-03	.9027-03	.5250	3.884	550.0
141	.30000	.70000	853.00	.3100-01	.2550-01	.3150-01	.7591-03	.6251-03	.7695-03	.4480	3.210	548.6
141	.30000	.80000	854.00	.3120-01	.2580-01	.3180-01	.7658-03	.6309-03	.7603-03	.4530	3.359	546.8
141	.30000	.90000	855.00	.1820-01	.1500-01	.1890-01	.4450-03	.3673-03	.4624-03	.2660	1.947	540.5
141	.30000	.95000	856.00	.1490-01	.1230-01	.1560-01	.3634-03	.3001-03	.3804-03	.2180	1.571	538.4
141	.35000	.00000	857.00	.9540-01	.7930-01	.8100-01	.2359-02	.1940-02	.1983-02	1.379	11.76	553.7
141	.40000	.00000	858.00	.2008	.1638	.1676	.4912-02	.4007-02	.4099-02	2.750	27.37	578.5
141	.40000	.50000-01	859.00	.3465	.2830	.3372	.8478-02	.6923-02	.8151-02	4.776	33.80	575.0
141	.40000	.10000+00	860.00	.1911	.1567	.1856	.4674-02	.3833-02	.4614-02	2.694	19.19	561.9
141	.40000	.20000	861.00	.9210-01	.7570-01	.9270-01	.2254-02	.1852-02	.2268-02	1.315	9.715	554.7
141	.40000	.30000	862.00	.6960-01	.5720-01	.7040-01	.1702-02	.1399-02	.1723-02	.9960	7.122	553.3

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RVIL01)

OH-498 (ALDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	OODT BTU/ R FT2SEC	OTWDT DEG. R /SEC	T. DEL. R
141	40000	40000	863.00	.5660-01	.4650-01	.5730-01	.1384-02	.1139-02	.1402-02	.8120	6.215	551.6
141	40000	60000	864.00	.4980-01	.4100-01	.5030-01	.1217-02	.1002-02	.1230-02	.7180	4.835	548.6
141	40000	70000	865.00	.5360-01	.4420-01	.5430-01	.1312-02	.1080-02	.1328-02	.7740	5.218	548.0
141	40000	75000	866.00	.4680-01	.3860-01	.4750-01	.1145-02	.9432-03	.1163-02	.6780	5.026	546.4
141	40000	85000	867.00	.3380-01	.2790-01	.3480-01	.8269-03	.6821-03	.8523-03	.4930	3.723	542.6
141	40000	90000	868.00	.2720-01	.2250-01	.2850-01	.6665-03	.5500-03	.6968-03	.3980	3.414	541.4
141	40000	95000	869.00	.2240-01	.1850-01	.2360-01	.5491-03	.4533-03	.5773-03	.3290	2.668	539.8
141	50000	00000	871.00	.5650	.4555	.4665	.1382-01	.1114-01	.1142-01	7.276	58.04	612.0
141	50000	50000-01	872.00	.3069	.2461	.2911	.7362-02	.6020-02	.7123-02	4.179	31.67	570.7
141	50000	10000-00	873.00	.1633	.1341	.1625	.3985-02	.3281-02	.3978-02	2.321	17.12	557.5
141	50000	20000	874.00	.1209	.9930-01	.1219	.2957-02	.2430-02	.2982-02	1.727	12.34	554.4
141	50000	30000	875.00	.1035	.8510-01	.1045	.2531-02	.2081-02	.2558-02	1.480	10.58	553.8
141	50000	40000	876.00	.8700-01	.7150-01	.8800-01	.2128-02	.1750-02	.2153-02	1.247	8.924	552.3
141	50000	50000	877.00	.7340-01	.6040-01	.7440-01	.1797-02	.1479-02	.1820-02	1.056	7.329	550.5
141	50000	60000	878.00	.3120-01	.2570-01	.3160-01	.7625-03	.6292-03	.7734-03	.4550	3.563	541.4
141	55000	00000	879.00	.5331	.4275	.4381	.1304-01	.1046-01	.1072-01	6.677	54.93	626.4
141	60000	00000	880.00	.4245	.3416	.3500	.1039-01	.8558-02	.8563-02	5.411	48.43	617.5
141	60000	25000-01	881.00	.4713	.3825	.4434	.1153-01	.9357-02	.1085-01	6.279	47.05	593.8
141	60000	50000-01	882.00	.2535	.2759	.2460	.6202-02	.6018-02	.6018-02	3.480	33.15	577.3
141	60000	75000-01	883.00	.2571	.2104	.2545	.6290-02	.5147-02	.6226-02	3.582	26.27	568.9
141	60000	10000-00	884.00	.1896	.1556	.1896	.4638-02	.3866-02	.4637-02	2.684	19.14	559.6
141	60000	20000	885.00	.9850-01	.8100-01	.9950-01	.2409-02	.1992-02	.2434-02	1.417	10.15	550.0
141	60000	30000	886.00	.7003-01	.5760-01	.7070-01	.1711-02	.1409-02	.1730-02	1.009	6.799	548.6
141	60000	40000	887.00	.5500-01	.4520-01	.5550-01	.1344-02	.1107-02	.1357-02	.7930	5.504	548.8
141	60000	50000	888.00	.5690-01	.4630-01	.5760-01	.1392-02	.1146-02	.1409-02	.8210	5.708	548.1
141	60000	60000	889.00	.5570-01	.4590-01	.5640-01	.1362-02	.1122-02	.1379-02	.8050	5.597	547.2
141	60000	80000	891.00	.3330-01	.2750-01	.3430-01	.8144-03	.6717-03	.8355-03	.4850	3.602	543.1
141	60000	85000	892.00	.3760-01	.3100-01	.3630-01	.9203-03	.7593-03	.9524-03	.5490	4.014	541.8
141	60000	90000	893.00	.2910-01	.2410-01	.3050-01	.7129-03	.5835-03	.7465-03	.4270	3.230	539.7
141	60000	95000	894.00	.2070-01	.1710-01	.2180-01	.5065-03	.4183-03	.5324-03	.3040	2.304	537.9
141	65000	00000	895.00	.3373	.2729	.2794	.8252-02	.6676-02	.6875-02	4.421	36.80	602.6
141	70000	00000	896.00	.1838	.1493	.1529	.4495-02	.3654-02	.3735-02	2.468	31.62	589.4
141	70000	25000-01	897.00	.2300	.1882	.2162	.5626-02	.4603-02	.5289-02	3.202	29.34	569.3
141	70000	50000-00	898.00	.1551	.1274	.1548	.3795-02	.3118-02	.3786-02	2.211	15.30	555.7
141	70000	10000-00	899.00	.1055	.8690-01	.1043	.2582-02	.2125-02	.2601-02	1.521	9.398	549.2
141	70000	30000	900.00	.8180-01	.6740-01	.8280-01	.2001-02	.1648-02	.2025-02	1.183	7.308	547.3
141	70000	40000	901.00	.8270-01	.6810-01	.8360-01	.2022-02	.1666-02	.2075-02	1.195	7.593	547.5
141	70000	60000	902.00	.1108	.9120-01	.1122	.2710-02	.2231-02	.2745-02	1.595	10.12	550.0
141	70000	80000	903.00	.3600-01	.2970-01	.3760-01	.8803-03	.7266-03	.9203-03	.5260	3.789	540.5
141	75000	00000	904.00	.1785	.1465	.1499	.4369-02	.3588-02	.3668-02	2.538	20.06	557.5
141	75000	25000-01	905.00	.3776	.3067	.3533	.9239-02	.7502-02	.8643-02	3.050	39.24	591.7
141	75000	50000-01	906.00	.2836	.2323	.2773	.6935-02	.5684-02	.6783-02	3.975	29.20	565.5
141	75000	10000-00	907.00	.1968	.1616	.1964	.4815-02	.3953-02	.4804-02	2.796	19.33	557.7

(RV101)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(11A) BTU/ R F12SEC	QDOT BTU/ R F12SEC	DTWDT DEG. R /SEC	TH DEG. R
141	75000	.20000	908.00	.1055	.8690-01	.1064	.2502-02	.2125-02	.2603-02	1.523	10.58	548.7
141	75000	.30000	909.00	.7713-01	.6350-01	.7790-01	.1886-02	.1554-02	.1905-02	1.118	7.110	545.7
141	75000	.40000	910.00	.7200-01	.5930-01	.7270-01	.1761-02	.1451-02	.1779-02	1.042	6.817	546.7
141	75000	.60000	911.00	.7100-01	.5050-01	.7190-01	.1737-02	.1432-02	.1759-02	1.030	6.952	545.3
141	75000	.80000	912.00	.5220-01	.4300-01	.5380-01	.1277-02	.1053-02	.1316-02	.7590	6.260	544.2
141	75000	.90000	913.00	.4310-01	.3560-01	.4500-01	.1054-02	.8704-03	.1102-02	.6310	4.616	540.2
141	75000	.95000	914.00	.3000-01	.2480-01	.3130-01	.7333-03	.6056-03	.7702-03	4.390	3.325	539.4
141	80000	.00000	915.00	.3442	.2788	.2834	.8421-02	.6820-02	.6982-02	4.535	40.95	599.8
141	80000	.20000	916.00	.1246	.1025	.1255	.3048-02	.2509-02	.3074-02	1.794	12.46	549.7
141	80000	.40000	917.00	.8430-01	.6950-01	.8510-01	.2063-02	.1699-02	.2082-02	1.220	8.754	547.0
141	80000	.60000	918.00	.4740-01	.3910-01	.4950-01	.1158-02	.9560-03	.1210-02	.6920	5.059	541.4
141	85000	.00000	919.00	.4156	.3365	.3446	.1017-01	.8234-02	.8430-02	5.474	42.36	600.0
141	85000	.20000	920.00	.1358	.1117	.1367	.3323-02	.2733-02	.3344-02	1.950	13.96	551.5
141	85000	.40000	921.00	.9380-01	.7730 01	.9460-01	.2296-02	.1890-02	.2315-02	1.354	10.04	548.4
141	90000	.00000	922.00	.2505	.2045	.2092	.5128-02	.5003-02	.5118-02	3.447	26.99	575.9
141	90000	.10000+00	923.00	.1910	.1570	.1912	.4673-02	.3840-02	.4679-02	2.035	20.12	553.0
141	90000	.20000	924.00	.1421	.1168	.1427	.3476-02	.2858-02	.3491-02	1.809	12.96	550.5
141	90000	.30000	925.00	.1258	.1035	.1267	.3077-02	.2532-02	.3100-02	1.361	9.763	547.7
141	90000	.50000	926.00	.9420-01	.7760-01	.9510-01	.2304-02	.1898-02	.2326-02	.8710	8.810	543.5
141	90000	.80000	927.00	.5980-01	.4940-01	.6160-01	.1464-02	.1207-02	.1506-02	2.176	16.05	556.6
141	90000	.90000	928.00	.4290-01	.3540-01	.4480-01	.1048-02	.8651-03	.1097-02	2.736	19.52	558.2
141	95000	.00000	929.00	.1529	.1256	.1284	.3739-02	.3072-02	.3140-02	2.140	14.84	552.9
141	95000	.50000-01	930.00	.1928	.1583	.1890	.4716-02	.3872-02	.4623-02	1.847	13.23	550.9
141	95000	.10000+00	931.00	.1693	.1392	.1695	.4142-02	.3404-02	.4124-02	1.246	9.238	546.8
141	95000	.20000	932.00	.1494	.1229	.1534	.3656-02	.3006-02	.3679-02	.9190	6.842	543.1
141	95000	.30000	933.00	.1285	.1059	.1296	.3144-02	.2587-02	.3171-02	.6170	4.665	540.2
141	95000	.50000	934.00	.8610-01	.7090-01	.8730-01	.2106-02	.1735-02	.2128-02	1.246	9.238	546.8
141	95000	.70000	935.00	.6330-01	.5220-01	.6450-01	.1548-02	.1276-02	.1577-02	.9190	6.842	543.1
141	95000	.80000	936.00	.6320-01	.5210-01	.6540-01	.1547-02	.1276-02	.1600-02	.9210	6.842	540.2
141	95000	.90000	937.00	.4210-01	.3480-01	.4430-01	.1031-02	.8508-03	.1078-02	.6170	4.665	540.2

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OH-49B (AEDC V41B-57A) OFBITER LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
119	7.970	1.511	20.00	.0000	180.0	321.3	.3400-01	1285.	93.80	1.499	3782.	.3017-04
120	7.970	1.510	20.00	.0000	180.0	318.0	.3300-01	1277.	93.20	1.484	3770.	.3005-04
227	7.970	1.497	19.94	.0000	180.0	319.7	.3400-01	1289.	94.10	1.492	3788.	.2993-04

RUN NUMBER	MU	HREF	BTU/ R FT2SEC	ST FR R =
119	.7549-07	.3001-01	.3315-01	0.0175
120	.7501-07	.2982-01	.3319-01	
227	.7573-07	.2995-01	.3329-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	W/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
120	.30000	.00000	845.00	.3760-01	.3100-01	.3160-01	.1120-02	.9233-03	.9436-03	.6710	7.458	549.6
120	.30000	.50000-01	846.00	.1021	.6380-01	.1003	.3046-02	.2992-02	.2992-02	1.778	19.59	565.5
120	.30000	.10000+00	847.00	.8610-01	.7000-01	.8410-01	.2538-02	.2086-02	.2508-02	1.495	12.71	560.0
120	.30000	.20000	848.00	.8190-01	.6740-01	.8170-01	.2442-02	.2009-02	.2476-02	1.447	10.34	556.4
120	.30000	.40000	850.00	.4820-01	.3970-01	.4850-01	.1438-02	.1183-02	.1443-02	.8520	6.082	556.7
120	.30000	.50000	851.00	.3790-01	.3120-01	.3840-01	.1130-02	.9300-03	.1145-02	.6700	4.945	556.3
120	.30000	.60000	852.00	.3630-01	.2990-01	.3690-01	.1084-02	.8921-03	.1097-02	.6440	4.756	555.0
120	.30000	.70000	853.00	.3300-01	.2710-01	.3340-01	.8036-03	.8036-03	.9967-03	.5860	4.189	553.5
120	.30000	.80000	854.00	.3300-01	.2720-01	.3340-01	.9831-03	.8114-03	.1004-02	.5880	4.351	551.8
120	.30000	.90000	855.00	.2140-01	.1760-01	.2220-01	.6370-03	.5262-03	.678-03	.3860	2.821	543.1
120	.30000	.95000	856.00	.1730-01	.1430-01	.1810-01	.5151-03	.4258-03	.5392-03	.3140	2.258	540.3
120	.30000	.00000	857.00	.8020-01	.6590-01	.6740-01	.2393-02	.1956-02	.2010-02	1.408	11.97	560.4
120	.40000	.00000	858.00	.1966	.1617	.1654	.5924-02	.4822-02	.4934-02	3.309	32.74	550.5
120	.40000	.50000-01	859.00	.3512	.2852	.3376	.1047-01	.8535-02	.1007-01	5.888	41.42	587.0
120	.40000	.10000+00	860.00	.1919	.1572	.1635	.5724-02	.4689-02	.5651-02	3.312	23.48	570.6
120	.40000	.20000	861.00	.9050-01	.7440-01	.9110-01	.2700-02	.2218-02	.2718-02	1.587	11.68	561.5
120	.40000	.30000	862.00	.6680-01	.5490-01	.6760-01	.1992-02	.1638-02	.2017-02	1.176	8.390	558.6

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL01)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(910) BTU/ R FT2SEC	H(101) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	QDOT BTU/ R	DTWOT DEG. R /SEC	TW DEG. R
120	40000	40000	863.00	5130-01	4220-01	5230-01	1531-02	1260-02	1551-02	9060	5.914	557.5
120	40000	60000	864.00	4980-01	4100-01	5030-01	1485-02	1223-02	1500-02	8850	5.946	553.1
120	40000	70000	865.00	5160-01	4250-01	5220-01	1538-02	1267-02	1557-02	9170	6.162	553.1
120	40000	75000	866.00	4370-01	3600-01	4440-01	1304-02	1074-02	1325-02	7790	5.765	551.5
120	40000	85000	867.00	3450-01	2850-01	3530-01	1030-02	8498-03	1061-02	6210	4.684	546.1
120	40000	90000	868.00	2610-01	2160-01	2730-01	7795-03	6437-03	8149-03	4720	4.043	543.9
120	40000	95000	869.00	2030-01	1670-01	2130-01	6044-03	4984-03	6354-03	3670	2.976	542.0
120	50000	00000	871.00	5580	4474	4535	1684-01	1334-01	1367-01	8595	67.88	632.7
120	50000	50000-01	872.00	3022	2466	2923	9012-02	7355-02	8716-02	5110	38.51	582.1
120	50000	10000-00	873.00	1648	1352	1641	4915-02	4033-02	4894-02	2107	15.39	565.7
120	50000	20000	874.00	1235	1015	1246	3694-02	3026-02	3716-02	2161	15.39	562.5
120	50000	30000	875.00	1075	8840-01	1037	3207-02	2535-02	3242-02	1885	13.43	561.3
120	50000	40000	876.00	3170-01	7530-01	9270-01	2733-02	2247-02	2766-02	1613	11.50	559.2
120	50000	50000	877.00	7480-01	6160-01	7530-01	2231-02	1636-02	2260-02	1323	9.158	556.1
120	50000	60000	878.00	5710-01	2740-01	3330-01	9842-03	8159-03	1002-02	5970	4.669	544.5
120	55000	00000	879.00	5127	4092	4195	1523-01	1220-01	1251-01	7717	62.93	644.4
120	60000	00000	880.00	4280	3424	3510	1276-01	1021-01	1047-01	6523	57.80	638.1
120	60000	25000-01	881.00	4772	3958	4435	1423-01	1151-01	1338-01	7677	57.08	609.7
120	60000	50000-01	882.00	2636	2146	2537	7861-02	6400-02	7626-02	4399	41.65	589.6
120	60000	75000-01	883.00	2634	2127	2577	7765-02	6344-02	7687-02	4425	32.28	579.3
120	60000	10000-00	884.00	1975	1619	1975	5830-02	4828-02	5890-02	3418	24.26	568.8
120	60000	20000	885.00	1151	9460-01	1153	3431-02	2821-02	3468-02	2027	14.46	558.5
120	60000	30000	886.00	7590-01	6250-01	7670-01	2264-02	1854-02	2289-02	1344	9.024	555.4
120	60000	40000	887.00	5510-01	4540-01	5570-01	1644-02	1353-02	1660-02	9750	6.744	556.3
120	60000	50000	888.00	5330-01	4430-01	5430-01	1607-02	132-02	1627-02	9540	6.608	555.1
120	60000	60000	889.00	5470-01	4500-01	5500-01	1631-02	1343-02	1652-02	9710	6.731	553.5
120	60000	80000	891.00	3350-01	2770-01	3470-01	1003-02	8273-03	1034-02	6040	4.477	547.0
120	60000	90000	892.00	3560-01	2940-01	3630-01	1062-02	7865-03	1093-02	6420	4.683	545.0
120	60000	90000	893.00	2850-01	2350-01	2930-01	6493-03	7018-03	8635-03	5150	3.893	542.7
120	60000	95000	894.00	2070-01	1710-01	2170-01	6163-03	5093-03	6478-03	3750	2.839	540.3
120	60000	00000	895.00	3377	2723	2739	1007-01	8121-02	8318-02	5351	44.20	617.9
120	70000	00000	896.00	1853	1501	1537	5525-02	4477-02	4583-02	3013	38.33	603.8
120	70000	25000-01	897.00	2304	1682	2155	6871-02	5413-02	6457-02	3915	35.70	579.4
120	70000	10000-00	898.00	1509	1240	1505	4499-02	3638-02	4490-02	2650	18.30	560.2
120	70000	20000	899.00	1037	8540-01	10-5	3094-02	2547-02	3117-02	1837	11.31	555.2
120	70000	30000	900.00	8560-01	7060-01	8630-01	2558-02	2105-02	2559-02	1522	9.33	554.0
120	70000	40000	901.00	8430-01	6940-01	8530-01	2515-02	2071-02	2559-02	1498	9.493	553.3
120	70000	60000	902.00	1106	9090-01	1120	3297-02	2712-02	3340-02	1951	12.34	557.4
120	70000	80000	903.00	3900-01	3220-01	4030-01	1163-02	9605-03	1215-02	7040	5.059	544.0
120	75000	00000	904.00	1896	1545	1581	5654-02	4609-02	4716-02	3184	24.81	566.0
120	75000	25000-01	905.00	3839	3108	3586	1145-01	9268-02	1070-01	6212	47.92	606.5
120	75000	50000-01	906.00	2844	2327	2780	8482-02	6940-02	8292-02	4874	35.64	574.5
120	75000	10000-00	907.00	1944	1595	1944	5797-02	4757-02	5785-02	3386	23.33	565.1

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(RVIL01)

AEDC VKF V41B-57A (OH-498) COLLATION: DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
120	.75000	.20000	908.00	.1089	.8970-01	.1098	.3248-02	.2674-02	.3275-02	1.930	13.36	555.1
120	.75000	.30000	909.00	.9730-01	.8010-01	.9830-01	.2901-02	.2589-02	.2931-02	1.729	10.95	553.3
120	.75000	.40000	910.00	.1151	.9460-01	.1163	.3432-02	.2822-02	.3469-02	2.027	13.19	558.4
120	.75000	.60000	911.00	.1281	.1053	.1297	.3819-02	.3142-02	.3868-02	2.261	15.17	557.0
120	.75000	.80000	912.00	.5120-01	.4220-01	.5280-01	.1527-02	.1259-02	.1574-02	.9170	7.545	548.8
120	.75000	.90000	913.00	.4180-01	.3450-01	.4370-01	.1247-02	.1030-02	.1303-02	.7560	5.521	543.3
120	.75000	.95000	914.00	.2830-01	.2340-01	.2970-01	.8441-03	.6975-03	.8863-03	.5130	3.877	541.6
120	.80000	.00000	915.00	.3565	.2877	.2945	.1064-01	.8579-02	.8786-02	5.665	50.73	616.5
120	.80000	.20000	916.00	.1261	.1038	.1272	.3762-02	.3097-02	.3794-02	2.238	15.50	554.2
120	.80000	.40000	917.00	.9760-01	.8040-01	.9850-01	.2911-02	.2397-02	.2939-02	1.735	12.41	553.2
120	.80000	.60000	918.00	.8450-01	.6960-01	.8830-01	.2519-02	.2077-02	.2632-02	1.511	11.01	549.1
120	.85000	.00000	919.00	.4174	.3366	.3448	.1245-01	.1004-01	.1028-01	6.626	50.85	616.8
120	.85000	.20000	920.00	.1351	.1112	.1360	.4030-02	.3315-02	.4056-02	2.388	17.06	556.5
120	.85000	.40000	921.00	.9580-01	.7890-01	.9660-01	.2858-02	.2353-02	.2892-02	1.700	12.56	554.1
120	.90000	.00000	922.00	.2492	.2030	.2078	.7433-02	.6056-02	.6196-02	4.173	32.48	587.7
120	.90000	.10000	923.00	.1956	.1606	.1958	.5833-02	.4790-01	.5839-02	3.421	25.17	562.6
120	.90000	.20000	924.00	.1382	.1136	.1383	.4121-02	.3389-02	.4139-02	2.436	17.38	558.0
120	.90000	.30000	925.00	.1162	.9660-01	.1170	.3464-02	.2850-02	.3490-02	2.052	14.65	556.8
120	.90000	.50000	926.00	.9450-01	.7790-01	.9550-01	.2820-02	.2322-02	.2847-02	1.680	12.02	553.2
120	.90000	.80000	927.00	.6310-01	.5210-01	.6480-01	.1881-02	.1552-02	.1936-02	1.133	8.846	546.8
120	.90000	.90000	928.00	.4530-01	.3740-01	.4740-01	.1352-02	.1116-02	.1415-02	.8170	6.502	544.6
120	.95000	.00000	929.00	.1537	.1262	.1290	.4582-02	.3764-02	.3848-02	2.691	19.80	561.9
120	.95000	.50000	930.00	.1941	.1592	.1902	.5788-02	.4748-02	.5673-02	3.373	23.97	566.3
120	.95000	.10000	931.00	.1692	.1390	.1684	.5045-02	.4145-02	.5023-02	2.964	21.82	561.6
120	.95000	.20000	932.00	.1540	.1267	.1550	.4594-02	.3778-02	.4623-02	2.717	18.79	557.5
120	.95000	.30000	933.00	.1267	.1042	.1278	.3777-02	.3107-02	.3810-02	2.237	15.97	551.9
120	.95000	.50000	934.00	.8660-01	.7130-01	.8753-01	.2582-02	.2127-02	.2610-02	1.542	11.41	548.6
120	.95000	.70000	935.00	.6430-01	.5300-01	.6553-01	.1917-02	.1591-02	.1954-02	1.151	8.676	545.9
120	.95000	.80000	936.00	.6260-01	.5170-01	.6483-01	.1867-02	.1541-02	.1932-02	1.126	8.356	545.9
120	.95000	.90000	937.00	.4220-01	.3480-01	.4412-01	.1258-02	.1039-02	.1315-02	.7630	5.762	543.0

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL01)

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
85	7.980	1.982	20.03	.0000	180.0	431.5	.4500-01	1303.	94.80	2.002	3808.	.3974-04
86	7.980	2.006	20.00	.0000	180.0	432.1	.4500-01	1294.	94.20	2.005	3794.	.4008-04
87	7.980	2.026	20.00	.0000	180.0	431.5	.4500-01	1284.	93.50	2.002	3780.	.4032-04

RUN NUMBER	MJ	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
85	.7635-07	.3476-01		0.0175
86	.7582-07	.3475-01		.2892-01
87	.7525-07	.3468-01		.2878-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(OTO) BTU/ R FT2SEC	H(CTO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
87	.30000	.00000	845.00	.3590-01	.2970-01	.3040-01	.1246-02	.1031-02	.1053-02	.7860	8.541	541.1
87	.30000	.50000-01	846.00	.1014	.8340-01	.9960-01	.3515-02	.2891-02	.3454-02	2.089	23.08	561.1
87	.30000	.10000*00	847.00	.8320-01	.6850-01	.8220-01	.2685-02	.2376-02	.2851-02	1.731	14.74	555.6
87	.30000	.20000	848.00	.8180-01	.6750-01	.8160-01	.2638-02	.2342-02	.2831-02	1.721	12.33	549.2
87	.30000	.40000	850.00	.4610-01	.3800-01	.4640-01	.1599-02	.1319-02	.1607-02	.9690	6.942	549.6
87	.30000	.50000	851.00	.3950-01	.3260-01	.4000-01	.1371-02	.1131-02	.1358-02	.8290	6.140	550.3
87	.30000	.60000	852.00	.3720-01	.3070-01	.3760-01	.1289-02	.1064-02	.1301-02	.7820	5.793	548.7
87	.30000	.70000	853.00	.3460-01	.2860-01	.3510-01	.1201-02	.9920-03	.1217-02	.7320	5.255	546.0
87	.30000	.80000	854.00	.3720-01	.3070-01	.3790-01	.1289-02	.1066-02	.1313-02	.7920	5.890	541.0
87	.30000	.90000	855.00	.2520-01	.2090-01	.2620-01	.8743-03	.7254-03	.9074-03	.5470	4.023	530.0
87	.30000	.95000	856.00	.1830-01	.1560-01	.1970-01	.6530-03	.5423-03	.6828-03	.4110	2.978	526.6
87	.35000	.00000	857.00	.6060-01	.6650-01	.6790-01	.2796-02	.2304-02	.2355-02	1.683	14.35	553.6
87	.40000	.00000	858.00	.2059	.1679	.1718	.7141-02	.5823-02	.5917-02	4.049	40.11	588.4
87	.40000	.50000-01	859.00	.3437	.2806	.3305	.1192-01	.9729-02	.1145-01	6.803	47.90	584.6
87	.40000	.10000*00	860.00	.1898	.1557	.1874	.6581-02	.5401-02	.6497-02	3.866	27.45	568.0
87	.40000	.20000	861.00	.9000-01	.7410-01	.9060-01	.3121-02	.2571-02	.3141-02	1.871	13.81	556.0
87	.40000	.30000	862.00	.6680-01	.5510-01	.6760-01	.2317-02	.1910-02	.2346-02	1.396	9.988	553.0

(RVIL01)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(ISO) BTU/R FT2SEC	H(TO) BTU/R FT2SEC	H(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
87	.40000	.40000	863.00	.5080-01	.4190-01	.5150-01	.1762-02	.1454-02	.1784-02	1.069	8.193	546.8
87	.40000	.60000	864.00	.4710-01	.3990-01	.4760-01	.1633-02	.1350-02	.1650-02	.9990	6.743	544.0
87	.40000	.70000	865.00	.4890-01	.4040-01	.4950-01	.1637-02	.1350-02	.1650-02	.9990	6.743	544.0
87	.40000	.80000	866.00	.4230-01	.3200-01	.4300-01	.1466-02	.1212-02	.1490-02	.8970	6.660	543.9
87	.40000	.90000	867.00	.3270-01	.2710-01	.3370-01	.1133-02	.9383-03	.1167-02	.7010	5.312	536.9
87	.40000	.95000	868.00	.2380-01	.1980-01	.2490-01	.8267-03	.6852-03	.8635-03	.5140	4.427	533.8
87	.40000	.95000	869.00	.1890-01	.1570-01	.1930-01	.6667-03	.5446-03	.6895-03	.4100	3.335	531.7
87	.40000	.95000	870.00	.5491	.4394	.4534	.1904-01	.1524-01	.1562-01	.9796	77.05	641.0
87	.40000	.95000	871.00	.3001	.2451	.2934	.1041-01	.8501-02	.1007-01	9.958	44.88	583.0
87	.40000	.95000	872.00	.1606	.1319	.1539	.5568-02	.4574-02	.5544-02	3.291	24.19	564.4
87	.40000	.95000	873.00	.1234	.1016	.1245	.4279-02	.3522-02	.4314-02	2.557	18.24	558.0
87	.40000	.95000	874.00	.1052	.8660-01	.1053	.3647-02	.3001-02	.3686-02	2.177	15.53	558.4
87	.40000	.95000	875.00	.9300-01	.7660-01	.9410-01	.3226-02	.2657-02	.3264-02	1.932	13.80	556.7
87	.40000	.95000	876.00	.7590-01	.6260-01	.7630-01	.2633-02	.2171-02	.2666-02	1.587	11.00	552.7
87	.40000	.95000	877.00	.3440-01	.2850-01	.3490-01	.1194-02	.9883-03	.1210-02	.7380	5.789	537.1
87	.40000	.95000	878.00	.5011	.3992	.4034	.1738-01	.1384-01	.1470-01	8.745	71.05	652.2
87	.40000	.95000	879.00	.4247	.3391	.3476	.1473-01	.1176-01	.1205-01	7.485	66.04	647.2
87	.40000	.95000	880.00	.4725	.3818	.4440	.1639-01	.1324-01	.1540-01	8.852	65.64	615.2
87	.40000	.95000	881.00	.2619	.2133	.2511	.9084-02	.7397-02	.8813-02	5.115	48.36	592.4
87	.40000	.95000	882.00	.2627	.2147	.2631	.9110-02	.7445-02	.9018-02	5.230	38.12	581.4
87	.40000	.95000	883.00	.2031	.1666	.2031	.7044-02	.5778-02	.7044-02	4.129	29.30	569.4
87	.40000	.95000	884.00	.1248	.1026	.1261	.4326-02	.3558-02	.4373-02	2.574	18.35	560.5
87	.40000	.95000	885.00	.8280-01	.6820-01	.8370-01	.2871-02	.2363-02	.2902-02	1.717	11.51	557.5
87	.40000	.95000	886.00	.5740-01	.4730-01	.5730-01	.1990-02	.1639-02	.2009-02	1.193	8.253	556.0
87	.40000	.95000	887.00	.5420-01	.4470-01	.5430-01	.1680-02	.1540-02	.1903-02	1.129	7.814	555.2
87	.40000	.95000	888.00	.5550-01	.4570-01	.5620-01	.1923-02	.1585-02	.1948-02	1.158	8.022	553.5
87	.40000	.95000	889.00	.3320-01	.2750-01	.3430-01	.1153-02	.9523-03	.1188-02	.7040	5.223	544.9
87	.40000	.95000	890.00	.3750-01	.3100-01	.3830-01	.1300-02	.1075-02	.1345-02	.7970	5.825	542.4
87	.40000	.95000	891.00	.2860-01	.2350-01	.2930-01	.9902-03	.8197-03	.1036-02	.6110	4.629	538.2
87	.40000	.95000	892.00	.2020-01	.1680-01	.2120-01	.7015-03	.5811-03	.7368-03	.4350	3.297	535.7
87	.40000	.95000	893.00	.3225	.2598	.2651	.1118-01	.9010-02	.9229-02	5.950	49.02	623.4
87	.40000	.95000	894.00	.1834	.1485	.1521	.6360-02	.5150-02	.5273-02	3.476	44.11	608.9
87	.40000	.95000	895.00	.2240	.1830	.2125	.7767-02	.6345-02	.7299-02	4.452	40.55	582.2
87	.40000	.95000	896.00	.1501	.1235	.1436	.5206-02	.4281-02	.5195-02	2.094	21.36	561.1
87	.40000	.95000	897.00	.1182	.9720-01	.1131	.4098-02	.3371-02	.4129-02	2.441	14.99	559.7
87	.40000	.95000	898.00	.1201	.9880-01	.1215	.4164-02	.3425-02	.4214-02	2.476	15.20	550.8
87	.40000	.95000	899.00	.1107	.9110-01	.1120	.3838-02	.3156-02	.3884-02	2.257	14.47	558.8
87	.40000	.95000	900.00	.1092	.8990-01	.1106	.3787-02	.3116-02	.3836-02	2.257	14.26	559.5
87	.40000	.95000	901.00	.5010-01	.4140-01	.5230-01	.1736-03	.1435-02	.1814-02	1.061	7.624	544.2
87	.40000	.95000	902.00	.2635	.2307	.2351	.9830-02	.7999-02	.8166-02	5.514	42.78	594.5
87	.40000	.95000	903.00	.3905	.3156	.3646	.1354-01	.1094-01	.1265-01	7.322	56.24	614.8
87	.40000	.95000	904.00	.2806	.2295	.2743	.9729-02	.7957-02	.9511-02	5.611	40.95	578.7
87	.40000	.95000	905.00	.1957	.1606	.1953	.6785-02	.5568-02	.6771-02	3.984	27.40	568.3

(RVIL01)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) OFBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TM DEG. R
87	75000	.20000	908.00	.1170	.9630-01	.1180	.4058-02	.3340-02	.4091-02	2.426	16.77	557.6
87	75000	.30000	909.00	.1777	.1460	.1795	.6161-02	.5061-02	.6225-02	3.641	22.94	564.5
87	75000	.40000	910.00	.2307	.1890	.2332	.7999-02	.6553-02	.8088-02	4.654	30.04	573.7
87	75000	.60000	911.00	.1920	.1576	.1945	.6659-02	.5466-02	.6746-02	3.917	26.14	567.1
87	75000	.80000	912.00	.5370-01	.4430-01	.5540-01	.1863-02	.1536-02	.1919-02	1.125	9.249	551.4
87	75000	.90000	913.00	.4160-01	.3440-01	.4350-01	.1443-02	.1192-02	.1508-02	.8820	6.437	544.5
87	75000	.95000	914.00	.2820-01	.2330-01	.2960-01	.9773-03	.8081-03	.1026-02	.5990	4.531	542.2
87	80000	.00000	915.00	.3545	.2852	.2922	.1229-01	.9890-02	.1013-01	6.496	57.87	627.0
87	80000	.20000	916.00	.1279	.1053	.1290	.4435-02	.3652-02	.4473-02	2.653	18.35	557.2
87	80000	.40000	917.00	.1107	.9120-01	.1118	.3839-02	.3161-02	.3876-02	2.299	16.41	556.7
87	80000	.60000	918.00	.9810-01	.8080-01	.1025	.3400-02	.2802-02	.3554-02	2.043	14.84	554.7
87	85000	.00000	919.00	.4101	.3298	.3379	.1422-01	.1144-01	.1172-01	7.493	57.18	628.6
87	85000	.20000	920.00	.1268	.1043	.1276	.4397-02	.3617-02	.4425-02	2.619	18.67	559.9
87	85000	.40000	921.00	.9440-01	.7770-01	.9520-01	.3275-02	.2695-02	.3733-02	1.953	14.40	558.9
87	85000	.60000	922.00	.2517	.2047	.2095	.8728-02	.7098-02	.7264-02	4.879	37.82	596.5
87	85000	.80000	923.00	.1694	.1554	.1696	.6566-02	.5390-02	.6574-02	3.862	28.35	567.3
87	90000	.10000+00	924.00	.1367	.1123	.1373	.4740-02	.3896-02	.4760-02	2.808	19.99	562.9
87	90000	.20000	925.00	.1157	.9520 01	.1166	.4013-02	.3301-02	.4043-02	2.391	17.05	559.5
87	90000	.30000	926.00	.9020-01	.7470-01	.9170-01	.3149-02	.2591-02	.3180-02	1.676	13.37	553.8
87	90000	.40000	927.00	.5960-01	.4920-01	.6140-01	.2068-02	.1705-02	.2128-02	1.245	9.688	549.7
87	90000	.50000	928.00	.4800-01	.3960-01	.5030-01	.1666-02	.1374-02	.1743-02	1.003	8.004	568.9
87	95000	.00000	929.00	.1535	.1260	.1288	.5326-02	.4370-02	.4468-02	3.124	22.91	573.8
87	95000	.50000-01	930.00	.1875	.1536	.1837	.6500-02	.5325-02	.6370-02	3.781	26.77	568.6
87	95000	.10000+00	931.00	.1696	.1391	.1689	.5881-02	.4825-02	.5855-02	3.451	25.31	564.0
87	95000	.20000	932.00	.1510	.1241	.1520	.5237-02	.4303-02	.5272-02	3.098	21.35	562.7
87	95000	.30000	933.00	.1235	.1015	.1246	.4284-02	.3521-02	.4321-02	2.539	18.08	559.1
87	95000	.40000	934.00	.8570-01	.7060-01	.8670-01	.2973-02	.2447-02	.3035-02	1.773	13.07	555.3
87	95000	.50000	935.00	.6530-01	.5380-01	.6450-01	.2264-02	.1865-02	.2307-02	1.359	10.20	551.8
87	95000	.60000	936.00	.6280-01	.5180-01	.6490-01	.2176-02	.1795-02	.2252-02	1.314	9.719	548.3
87	95000	.90000	937.00	.4160-01	.3430-01	.4350-01	.1441-02	.1190-02	.1507-02	.8750	6.594	

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPDRBK = .0000
BDFLAP = 0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PS A	P	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
67	7.990	2.500	20.00	.0000	180.0	546.9	.5600-01	1304.	94.70	2.524	3810.	.5.93-04
68	7.990	2.488	20.02	.0000	180.0	544.2	.5600-01	1304.	94.70	2.511	3810.	.4979-04
69	7.990	2.546	19.98	.0000	180.0	546.9	.5600-01	1288.	93.60	2.524	3787.	.5064-04

RUN NUMBER	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
67	.7625-07	.3904-01	0.0175
68	.7623-07	.3891-01	.2578-01
69	.7532-07	.3895-01	.2584-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(11) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	OTWOT DEG. R /SEC	TH DEG. R
69	.30000	.00000	845.00	.3830-01	.3160-01	.3230-01	.1490-02	.1231-02	.1258-02	.9130	10.16	546.3
69	.30000	.50000-01	846.00	.1035	.8510-01	.1018	.4035-02	.3314-02	.3966-02	2.383	26.22	568.9
69	.30000	.10000+00	847.00	.9200-01	.7670-01	.9210-01	.3632-02	.2939-02	.3589-02	2.176	18.50	560.1
69	.30000	.20000	848.00	.8080-01	.6660-01	.8060-01	.3147-02	.2534-02	.3140-02	1.898	13.56	556.1
69	.30000	.40000	850.00	.4420-01	.3640-01	.4440-01	.1720-02	.1418-02	.1729-02	1.038	7.420	555.5
69	.30000	.50000	851.00	.3890-01	.3180-01	.3910-01	.1503-02	.1230-02	.1522-02	.9080	6.702	555.4
69	.30000	.60000	852.00	.4560-01	.3340-01	.4110-01	.1580-02	.1230-02	.1522-02	.9560	7.062	554.2
69	.30000	.70000	853.00	.3660-01	.3180-01	.3910-01	.1502-02	.1230-02	.1522-02	.9120	6.529	552.1
69	.30000	.80000	854.00	.4440-01	.3670-01	.4530-01	.1731-02	.1439-02	.1763-02	1.054	7.799	550.5
69	.30000	.90000	855.00	.2960-01	.2450-01	.3070-01	.1152-02	.0915-03	.1196-02	.7170	5.255	537.1
69	.30000	.95000	856.00	.2150-01	.1780-01	.2230-01	.8374-03	.6746-03	.6759-03	.5250	3.791	532.8
69	.35000	.00000	857.00	.9140-01	.7530-01	.7690-01	.3562-02	.2932-02	.2937-02	2.137	18.17	559.4
69	.40000	.00000	858.00	.2007	.1630	.1669	.7816-02	.6351-02	.6439-02	4.363	42.95	601.0
69	.40000	.50000-01	859.00	.3436	.2795	.3302	.1339-01	.089-01	.1286-01	7.516	52.58	597.8
69	.40000	.10000+00	860.00	.1935	.1586	.1911	.7542-02	.6176-02	.7446-02	4.402	31.14	575.6
69	.40000	.20000	861.00	.9330-01	.7430-01	.9030-01	.3519-02	.2834-02	.3542-02	2.100	15.45	562.7
69	.40000	.30000	862.00	.6470-01	.5330-01	.6550-01	.2520-02	.2075-02	.2551-02	1.513	10.79	558.8

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C-NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1TAN) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
69	40000	40000	863.00	5030-01	4140-01	5090-01	1959-02	1614-02	1984-02	1.181	9.019	556.3
69	40000	60000	864.00	4530-01	3780-01	4620-01	1783-02	1471-02	1802-02	1.083	7.278	552.2
69	40000	70000	865.00	4880-01	4030-01	4940-01	1900-02	1568-02	1924-02	1.154	7.763	551.8
69	40000	85000	865.00	4200-01	3470-01	4260-01	1635-02	1350-02	1661-02	.9970	7.382	549.5
69	40000	90000	867.00	3150-01	2600-01	3240-01	1226-02	1014-02	1263-02	.7570	5.725	541.6
69	40000	90000	868.00	2430-01	2020-01	2540-01	9484-03	7854-03	9908-03	.5890	5.060	538.4
69	50000	90000	869.00	1930-01	1600-01	2020-01	7502-03	6218-03	7880-03	.4680	3.804	535.9
69	50000	90000	871.00	5429	4315	4425	2115-01	1681-01	1724-01	10.55	82.23	660.4
69	50000	90000	872.00	3028	2466	2923	1180-01	9604-02	1141-01	6.658	49.87	594.8
69	50000	10000+00	873.00	1667	1368	1650	6495-02	5327-02	6457-02	3.815	27.94	571.9
69	50000	20000	874.00	1255	1031	1256	4888-02	4018-02	4931-02	2.908	20.69	564.3
69	50000	30000	875.00	1101	9060-01	1.113	4290-02	3528-02	4335-02	2.560	18.23	562.5
69	50000	40000	876.00	9400-01	7730-01	9510-01	3660-02	3011-02	3703-02	2.189	15.59	561.3
69	50000	60000	877.00	7370-01	6070-01	7460-01	2871-02	2364-02	2907-02	1.727	11.95	557.5
69	50000	90000	878.00	3500-01	2890-01	3550-01	1362-02	1127-02	1381-02	.8410	6.586	541.4
69	50000	90000	879.00	4852	3841	3942	1890-01	1496-01	1535-01	9.257	74.59	669.5
69	60000	90000	880.00	4205	3336	3422	1638-01	1293-01	1333-01	8.096	70.82	665.0
69	60000	25000-01	881.00	4726	3800	4435	1841-01	1480-01	1727-01	9.736	71.66	630.4
69	60000	50000-01	882.00	2612	2120	2533	1017-01	8257-02	9865-02	5.646	53.08	604.2
69	60000	75000-01	883.00	2532	2113	2556	1010-01	8232-02	9996-02	5.738	41.62	591.1
69	60000	10000+00	884.00	2067	1692	2067	6050-02	6563-02	8051-02	4.679	33.05	578.1
69	60000	20000	895.00	1398	1148	1413	5445-02	4472-02	5505-02	3.225	22.91	567.0
69	60000	30000	886.00	9330-01	7680-01	9433-01	3635-02	2990-02	3675-02	2.171	14.52	562.1
69	60000	40000	887.00	5910-01	4870-01	5970-01	2302-02	1896-02	2325-02	1.381	9.543	559.3
69	60000	50000	888.00	6490-01	5340-01	6570-01	2527-02	2081-02	2559-02	1.519	10.50	558.3
69	60000	60000	893.00	7490-01	6170-01	7580-01	1798-02	1485-02	2954-02	1.756	12.14	557.3
69	60000	80000	891.00	4620-01	3810-01	4760-01	1696-02	1402-02	1853-02	1.100	8.152	547.7
69	60000	85000	892.00	4350-01	3600-01	4500-01	1335-02	1106-02	1755-02	1.042	7.612	544.6
69	60000	90000	893.00	3430-01	2840-01	3590-01	9564-03	7922-03	1005-02	.8260	6.246	541.1
69	60000	95000	894.00	2460-01	2030-01	2580-01	1192-01	9575-02	9811-02	.5950	4.505	537.6
69	60000	90000	895.00	3061	2458	2513	7146-02	5771-02	8457-02	6.260	51.30	634.3
69	70000	90000	896.00	1834	1482	1517	9002-02	7345-02	8457-02	3.865	48.81	618.4
69	70000	25000-01	897.00	2311	1866	2.71	6600-02	5421-02	6586-02	5.141	46.68	588.2
69	70000	10000+00	898.00	1694	1392	1691	7199-02	5905-02	7254-02	3.909	26.90	567.0
69	70000	20000	899.00	1648	1516	1862	6801-02	5421-02	6586-02	4.234	25.85	571.0
69	70000	30000	900.00	2260	1851	2283	6618-02	5436-02	6693-02	5.136	31.28	575.7
69	70000	40000	901.00	1699	1395	1723	4447-02	3659-02	4504-02	3.918	24.65	567.3
69	70000	60000	902.00	1142	9390-01	1.155	3505-02	2832-02	3666-02	2.661	16.80	560.8
69	70000	90000	903.00	9000-01	7420-01	5.113-01	3505-02	2832-02	3666-02	2.130	15.24	551.8
69	75000	3034	904.00	3034	2461	2513	1182-01	9568-02	9814-02	6.542	50.48	605.8
69	75000	25000-01	905.00	3829	3087	3574	1491-01	1292-01	1392-01	7.991	61.13	623.4
69	75000	50000-01	906.00	2871	2347	2807	1118-01	9142-02	1093-01	6.452	47.00	582.4
69	75000	10000+00	907.00	2007	1646	2003	7816-02	6413-02	7800-02	4.602	31.61	570.6

(RVIL01)

AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAJ)	H(9T) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
69	75000	.20000	908.00	.1406	.1158	.1413	.5478-02	.4510-02	.5524-02	3.286	22.70	559.4
69	75000	.30000	909.00	.2272	.1863	.2295	.8851-02	.7258-02	.8945-02	5.195	32.60	572.4
69	75000	.40000	910.00	.2713	.2219	.2744	.1057-01	.8642-02	.1069-01	6.106	39.27	581.6
69	75000	.50000	911.00	.2336	.1962	.2427	.9331-02	.7644-02	.9455-02	5.444	36.17	575.9
69	75000	.60000	912.00	.6950-01	.5730-01	.7163-01	.2707-02	.2232-02	.2790-02	1.638	13.45	554.2
69	75000	.80000	913.00	.5120-01	.4240-01	.5353-01	.1995-02	.1650-02	.2086-02	1.226	8.948	545.2
69	75000	.95000	914.00	.3750-01	.3100-01	.3843-01	.1462-02	.1209-02	.1534-02	.8990	6.793	543.9
69	80000	.00000	915.00	.3477	.2789	.2953	.1354-01	.1086-01	.1113-01	7.071	62.68	637.2
69	80000	.20000	916.00	.1199	.9680-01	.1210	.4672-02	.3847-02	.4712-02	2.806	19.39	558.6
69	80000	.40000	917.00	.1276	.1050	.1283	.4972-02	.4091-02	.5020-02	2.973	21.18	561.2
69	80000	.60000	918.00	.1102	.9090-01	.1152	.4293-02	.3538-02	.4487-02	2.590	18.81	556.0
69	85000	.00000	919.00	.4216	.3380	.3463	.1642-01	.1316-01	.1349-01	8.551	64.93	638.6
69	85000	.20000	920.00	.1360	.1119	.1363	.5297-02	.4358-02	.5331-02	3.166	22.56	561.5
69	85000	.40000	921.00	.9550-01	.7860-01	.9633-01	.3720-02	.3062-02	.3752-02	2.234	16.47	558.6
69	90000	.00000	922.00	.2511	.2039	.2087	.9780-02	.7944-02	.8130-02	5.449	42.12	602.1
69	90000	.20000	923.00	.1981	.1626	.1983	.7716-02	.6332-02	.7726-02	4.547	33.33	570.0
69	90000	.40000	924.00	.1402	.1153	.1408	.5461-02	.4489-02	.5465-02	3.249	23.11	564.4
69	90000	.60000	925.00	.1136	.9350-01	.1145	.4425-02	.3641-02	.4459-02	2.646	18.85	561.4
69	90000	.80000	926.00	.9290-01	.7650-01	.9333-01	.3619-02	.2979-02	.3655-02	2.169	15.46	559.9
69	90000	.00000	927.00	.6340-01	.5230-01	.6523-01	.2468-02	.2036-02	.2539-02	1.38	11.66	552.4
69	90000	.20000	928.00	.5130-01	.4240-01	.5370-01	.1999-02	.1651-02	.2032-02	1.221	9.689	548.8
69	95000	.00000	929.00	.1537	.1262	.1293	.5987-02	.4914-02	.5024-02	3.531	25.89	569.5
69	95000	.50000-01	930.00	.1888	.1546	.1853	.7353-02	.6023-02	.7206-02	4.292	30.36	575.6
69	95000	.10000-00	931.00	.1633	.1389	.1685	.6593-02	.5412-02	.6565-02	3.889	28.51	569.5
69	95000	.20000	932.00	.1483	.1219	.1493	.5776-02	.4748-02	.5814-02	3.436	23.68	564.4
69	95000	.30000	933.00	.1248	.1026	.1253	.4861-02	.3998-02	.4903-02	2.901	20.56	562.4
69	95000	.40000	934.00	.8560-01	.7050-01	.8053-01	.3334-02	.2746-02	.3370-02	2.003	14.77	558.5
69	95000	.50000	935.00	.6750-01	.5570-01	.6883-01	.2631-02	.2169-02	.2631-02	1.589	11.94	555.2
69	95000	.60000	936.00	.6450-01	.5320-01	.6683-01	.2513-02	.2074-02	.2601-02	1.528	11.31	551.2
69	95000	.80000	937.00	.4250-01	.3520-01	.4463-01	.1660-02	.1372-02	.1735-02	1.016	7.662	547.2

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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LOWER WING

04-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVL01)

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00	BETA	= .0000	ELEVTR = .0000	SPOBRK = .0000
BOFLAP = .0000	MACH	= 8.0000		

..TEST CONDITIONS..

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
46	7.990	2.948	19.97	.0000	180.0	672.9	.6900-01	1341.	97.40	3.105	3864.	.5984-04
47	7.990	2.975	19.98	.0000	180.0	674.5	.7000-01	1335.	97.00	3.112	3856.	.6025-04
48	7.990	2.969	19.97	.0000	180.0	673.7	.7000-01	1336.	97.03	3.109	3857.	.6014-04

••TEST DATA••

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R FT2SEC	H(10T) BTU/ R FT2SEC	H(11T) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT /SEC	TN DEG. R
48	30000	.00000	845.00	.3680-0.	.3050-01	.3110-01	.1599-02	.1325-02	.1354-02	1.033	11.44	556.5
48	30000	.50000-01	846.00	.1034	.8500-01	.10.16	.4498-02	.3699-02	.3420-02	2.785	30.42	583.2
48	30000	.10000+00	847.00	.8870-01	.7320-01	.8770-01	.3860-02	.3134-02	.3815-02	2.431	20.53	572.7
49	30000	.20000	848.00	.8160-01	.6740-01	.8140-01	.3548-02	.2932-02	.3540-02	2.254	16.02	567.1
48	30000	.40000	850.00	.4200-01	.3470-01	.4220-01	.1828-02	.1511-02	.1836-02	1.165	8.282	565.3
48	30000	.50000	851.00	.3900-01	.3220-01	.3950-01	.1696-02	.1402-02	.1717-02	1.081	7.940	565.2
48	30000	.60000	852.00	.4270-01	.3530-01	.4320-01	.1657-02	.1535-02	.1879-02	1.185	8.709	564.4
48	30000	.70000	853.00	.4390-01	.3630-01	.4450-01	.1908-02	.1578-02	.1934-02	1.220	8.679	563.4
48	30000	.80000	854.00	.5220-01	.4320-01	.5320-01	.2273-02	.1880-02	.2316-02	1.453	10.69	563.1
48	30000	.90000	855.00	.3390-01	.2810-01	.35.10-01	.1472-02	.1221-02	.1527-02	.9600	6.991	550.1
48	30000	.95000	856.00	.2240-01	.1860-01	.2340-01	.9726-03	.8083-03	.1017-02	.6390	4.591	545.2
48	35000	.00000	857.00	.7792-01	.6430-01	.6570-01	.3391-02	.2799-02	.2859-02	2.139	18.07	571.7
48	40000	.00000	858.00	.2010	.1636	.1674	.8745-02	.7116-02	.7282-02	5.105	19.82	618.7
48	40000	.50000-01	859.00	.3476	.2831	.3341	.1512-01	.1232-01	.1454-01	8.865	61.46	616.3
48	40000	.10000+00	860.00	.1878	.1541	.1854	.70-02	.6705-02	.8067-02	4.934	35.06	591.2
48	40000	.20000	861.00	.8750-01	.7210-01	.8800-01	.5005-02	.3138-02	.3830-02	2.392	17.50	573.9
48	40000	.30000	862.00	.6450-01	.5330-01	.6530-01	.2808-02	.2318-02	.2843-02	1.775	12.59	570.5

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) OFBITER LOWER WING

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(RV1L01)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H/GTO BTU/ R FT2SEC	H/GTO BTU/ R FT2SEC	H/TAN BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TM DEG. R
48	40000	40300	863.00	4160-01	4020-01	4930-01	2116-02	1748-02	2143-02	10.20	567.7	
48	40000	60000	864.00	4680-01	3870-01	4720-01	2034-02	1633-02	2055-02	8.706	562.6	
48	40000	70000	865.00	4810-01	3980-01	4870-01	2094-02	1732-02	2120-02	1.302	563.1	
48	40000	75000	866.00	4140-01	3430-01	4210-01	1803-02	1492-02	1832-02	1.157	561.0	
48	40000	85000	867.00	3140-01	2600-01	3230-01	1366-02	1133-02	1407-02	8.658	553.9	
48	40000	90000	868.00	2420-01	2010-01	2530-01	1052-02	8732-03	1099-02	5.859	550.4	
48	40000	95000	869.00	1970-01	1640-01	2070-01	8590-03	7135-03	9016-03	4.552	547.2	
48	50000	00000	871.00	5487	4350	4463	2387-01	1893-01	1942-01	12.21	591.2	
48	50000	50000-01	872.00	3078	2507	2977	1339-01	1091-01	1255-01	7.858	615.8	
48	50000	10000+00	873.00	1692	1390	1685	7363-02	6048-02	7332-02	32.86	588.1	
48	50000	20000	874.00	1297	1068	1306	5643-02	4648-02	5692-02	4.524	578.3	
48	50000	30000	875.00	1149	9470-01	1161	4999-02	4120-02	5053-02	3.133	575.8	
48	50000	40000	876.00	9760-01	8050-01	9870-01	4246-02	3504-02	4296-02	2.678	571.8	
48	50000	60000	877.00	8190-01	6760-01	8290-01	3563-02	2941-02	3609-02	2.251	570.7	
48	50000	90000	878.00	3650-01	3030-01	3700-01	1588-02	1317-02	1611-02	1.031	553.3	
48	50000	00000	879.00	4657	3830	3931	2113-01	1656-01	1710-01	10.53	704.3	
48	60000	00000	880.00	4226	312	3430	1839-01	1454-01	1492-01	9.293	697.0	
48	60000	25000-01	881.00	4745	3811	4451	2065-01	1658-01	1937-01	11.25	657.6	
48	60000	50000-01	882.00	2664	2162	2594	1159-01	9405-02	1124-01	6.666	627.4	
48	60000	75000-01	883.00	2663	2172	2636	9122-02	7476-02	9124-02	5.537	611.3	
48	60000	10000+00	884.00	2097	1718	2097	6417-02	5282-02	6486-02	3.992	595.5	
48	60000	20000	885.00	1475	1214	1491	4315-02	3560-02	4361-02	2.718	580.3	
48	60000	30000	886.00	9920-01	8160-01	1002	3148-02	2597-02	3178-02	1.985	572.5	
48	60000	40000	887.00	7240-01	5970-01	7310-01	6127-02	5050-02	6203-02	3.839	576.0	
48	60000	50000	888.00	1408	1161	1422	8035-02	6615-02	8139-02	5.001	580.0	
48	60000	60000	889.00	1847	1520	1871	7443-02	6131-02	7586-02	4.647	578.2	
48	60000	70000	890.00	1711	1409	1744	3912-02	3235-02	4031-02	2.501	563.2	
48	60000	80000	891.00	8997-01	7440-01	9250-01	3639-02	3014-02	3764-02	2.346	557.8	
48	60000	90000	892.00	8360-01	6930-01	8650-01	2560-02	2123-02	2677-02	1.661	533.3	
48	60000	00000	893.00	5820-01	4860-01	6150-01	1841-02	1528-02	1932-02	1.204	548.6	
48	60000	95000	894.00	4230-01	3510-01	4440-01	1348-01	1082-01	1108-01	7.315	659.8	
48	65000	00000	895.00	3098	2466	2547	8011-02	6479-02	8534-02	4.529	637.1	
48	70000	00000	896.00	1841	1469	1525	1018-01	8328-02	9575-02	6.107	602.8	
48	70000	25000-01	897.00	2341	1914	2201	8631-02	7098-02	8613-02	5.341	583.6	
48	70000	50000+00	898.00	2585	1631	1987	1125-01	9230-02	1133-01	6.875	591.2	
48	70000	20000	899.00	2585	2121	2605	1254-01	1028-01	1270-01	7.617	595.2	
48	70000	30000	900.00	2883	2353	2919	9109-02	7491-02	9220-02	5.634	583.9	
48	70000	40000	901.00	2094	1722	2119	6082-02	5016-02	6160-02	2.399	573.7	
48	70000	60000	902.00	1398	1153	1416	4194-02	3476-02	4383-02	2.654	560.2	
48	70000	90000	903.00	9640-01	7980-01	1007	1390-01	1135-01	1161-01	8.262	607.9	
48	75000	00000	904.00	3194	2608	2667	1670-01	1349-01	1560-01	9.361	642.0	
48	75000	25000-01	905.00	3839	3100	3585	1244-01	1020-01	1216-01	7.560	594.6	
48	75000	50000-01	906.00	2558	2343	2796						

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OH-49B (ALDC V41B-57A) ORBIT: LOWER WING

(IRVIL01)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(1AW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMDT DEG. R /SEC	TW DEG. R
48	.75000	.19000+00	907.00	.2001	.1647	.1997	.8707-02	.7166-02	.8690-02	5.409	36.97	581.2
48	.75000	.20000	908.00	.1589	.1312	.1603	.6916-02	.5707-02	.6972-02	4.364	29.97	571.4
48	.75000	.30000	909.00	.2537	.2085	.2564	.1104-01	.9072-02	.1116-01	6.801	42.38	586.5
48	.75000	.40000	910.00	.2781	.2880	.2812	.1210-01	.9821-02	.1223-01	7.362	47.05	594.1
48	.75000	.60000	911.00	.2703	.2219	.2739	.1176-01	.9854-02	.1191-01	7.202	47.51	590.1
48	.75000	.80000	912.00	.1083	.8950-01	.1116	.4713-02	.3894-02	.4855-02	2.995	24.42	567.0
48	.75000	.90000	913.00	.8130-01	.6740-01	.8490-01	.3539-02	.2934-02	.3696-02	2.292	16.65	554.9
48	.75000	.95000	914.00	.5850-01	.4850-01	.6140-01	.2545-02	.2110-02	.2670-02	1.651	12.41	553.8
48	.80000	.00000	915.00	.3546	.2548	.2918	.1543-01	.1239-01	.1270-01	8.414	73.87	657.2
48	.80000	.20000	916.00	.1230	.1016	.1241	.5353-02	.4420-02	.5399-02	3.383	23.30	576.8
48	.80000	.40000	917.00	.1579	.1301	.1534	.6970-02	.5661-02	.6937-02	4.298	30.39	563.3
48	.80000	.60000	918.00	.1158	.9580-01	.1203	.5038-02	.4167-02	.5251-02	3.220	23.29	563.3
48	.85000	.00000	919.00	.4227	.3395	.3478	.1839-01	.1477-01	.1513-01	10.02	75.40	657.2
48	.85000	.20000	920.00	.1284	.1061	.1293	.5588-02	.4614-02	.5624-02	3.538	25.11	568.3
48	.85000	.40000	921.00	.9690-01	.8010-01	.9770-01	.4216-02	.3465-02	.4252-02	2.687	19.75	555.0
48	.90000	.00000	922.00	.2541	.2071	.2119	.1106-01	.9010-02	.9218-02	6.501	49.95	614.5
48	.90000	.10000+00	923.00	.1902	.1567	.1904	.8275-02	.6818-02	.8285-02	5.173	37.78	577.3
48	.90000	.20000	924.00	.1423	.1174	.1429	.6190-02	.5109-02	.6217-02	3.911	27.73	570.6
48	.90000	.30000	925.00	.1170	.9670-01	.1173	.5092-02	.4208-02	.5130-02	3.239	23.01	566.5
48	.90000	.50000	926.00	.9280-01	.7680-01	.9370-01	.4039-02	.3340-02	.4077-02	2.581	18.37	563.5
48	.90000	.80000	927.00	.6760-01	.5600-01	.6350-01	.2941-02	.2435-02	.3025-02	1.893	14.68	559.0
48	.90000	.90000	928.00	.6030-01	.5000-01	.6310-01	.2625-02	.2176-02	.2745-02	1.699	13.44	555.5
48	.95000	.00000	929.00	.1538	.1268	.1295	.6691-02	.5515-02	.5636-02	4.192	30.64	575.9
48	.95000	.50000	930.00	.1940	.1596	.1903	.8442-02	.6944-02	.8278-02	5.232	36.87	582.7
48	.95000	.10000+00	931.00	.1716	.1414	.1703	.7464-02	.6152-02	.7477-02	4.678	34.19	575.7
48	.95000	.20000	932.00	.1425	.1176	.1434	.6198-02	.5118-02	.6238-02	3.923	26.97	569.4
48	.95000	.30000	933.00	.1261	.1042	.1271	.5485-02	.4532-02	.5532-02	3.487	24.77	566.8
48	.95000	.50000	934.00	.8510-01	.7040-01	.8600-01	.3702-02	.3054-02	.3741-02	2.374	17.48	561.2
48	.95000	.70000	935.00	.6790-01	.5620-01	.6910-01	.2553-02	.2445-02	.3008-02	1.898	14.22	559.9
48	.95000	.80000	936.00	.6430-01	.5330-01	.6630-01	.2799-02	.2450-02	.2893-02	1.812	13.38	555.0
48	.95000	.90000	937.00	.4410-01	.3660-01	.4600-01	.1917-02	.1592-02	.2002-02	1.252	9.434	549.2

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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LOWER WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1101)

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPDRBK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
28	8.000	3.262	19.97	.0000	180.0	762.4	.7800-01	1359.	98.50	3.458	3891.	.6651-04
29	8.000	3.309	20.00	.0000	180.0	762.1	.7800-01	1346.	97.60	3.497	3872.	.6713-04
30	8.000	3.346	20.00	.0000	180.0	759.3	.7800-01	1333.	96.30	3.484	3853.	.6755-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
28	.7931-07	.4629-01	0.0175
29	.7854-07	.4621-01	.2245-01
30	.7777-07	.4604-01	.2233-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19T01 BTU/ R FT2SEC	H1T01 BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
30	.30000	.50000-01	846.00	.1010	.8290-01	.9320-01	.4650-02	.3818-02	.4568-02	2.847	31.03	587.5
30	.30000	.10000+00	847.00	.8750-01	.7210-01	.8350-01	.4029-02	.3319-02	.3982-02	2.510	21.16	576.8
30	.30000	.20000	849.00	.8280-01	.6830-01	.8260-01	.3811-02	.3145-02	.3802-02	2.398	17.01	570.4
30	.30000	.40000	850.00	.4260-01	.3510-01	.4260-01	.1960-02	.1617-02	.1971-02	1.232	8.737	571.1
30	.30000	.50000	851.00	.4000-01	.3300-01	.4050-01	.1846-02	.1518-02	.1863-02	1.157	8.477	570.8
30	.30000	.60000	852.00	.4620-01	.3810-01	.4570-01	.1266-02	.1754-02	.2152-02	1.339	9.812	570.0
30	.30000	.70000	853.00	.4650-01	.3840-01	.4710-01	.2139-02	.1766-02	.2168-02	1.350	9.578	568.9
30	.30000	.80000	854.00	.5720-01	.4720-01	.5920-01	.2631-02	.2173-02	.2681-02	1.661	12.19	568.3
30	.30000	.90000	855.00	.5780-01	.3130-01	.3920-01	.1738-02	.1442-02	.1604-02	1.127	8.205	551.2
30	.30000	.95000	856.00	.2550-01	.2120-01	.2570-01	.1175-02	.9757-03	.1228-02	2.651	5.513	546.0
30	.35000	.00000	857.00	.9230-01	.7500-01	.4248-02	.3501-02	.3578-02	.3578-02	2.651	22.36	575.8
30	.40000	.00000	858.00	.2012	.1631	.1670	.9262-02	.7511-02	.7688-02	5.295	51.43	628.1
30	.40000	.50000-01	859.00	.3423	.2777	.3267	.1576-01	.1279-01	.1514-01	9.031	62.30	626.7
30	.40000	.10000+00	860.00	.1919	.1571	.1894	.6836-02	.7232-02	.8722-02	5.308	37.11	599.1
30	.40000	.20000	861.00	.9070-01	.7460-01	.9130-01	.4176-02	.3437-02	.4203-02	2.589	18.88	579.8
30	.40000	.30000	862.00	.6430-01	.5300-01	.6510-01	.2960-02	.2439-02	.2997-02	1.847	13.07	575.7
30	.40000	.40000	863.00	.4700-01	.3880-01	.4760-01	.2165-02	.1786-02	.2152-02	1.358	10.29	572.2

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RUN
NUMBER

OH-49B (AEDC V41B-57A) CRBITER LOWER WING

(RVIL01)

	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(11W) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG/R /SEC	TW DEG/R
30	40000	.60000	864.00	.350-01	.3590-01	.4390-01	.2001-02	.1653-02	.2021-02	1.267	8.461	566.4
30	40000	.70000	865.00	.4940-01	.4080-01	.5000-01	.2275-02	.1879-02	.2302-02	1.442	9.626	565.9
30	40000	.75000	866.00	.4340-01	.3590-01	.4410-01	.1998-02	.1652-02	.2030-02	1.272	9.352	565.4
30	40000	.85000	867.00	.3170-01	.2630-01	.3270-01	.1460-02	.1210-02	.1504-02	.9410	7.070	555.0
30	40000	.90000	868.00	.2480-01	.2060-01	.2560-01	.1141-02	.9467-03	.1192-02	.7400	6.319	551.3
30	40000	.95000	869.00	.1970-01	.1640-01	.2070-01	.9076-03	.7536-03	.9527-03	.5920	4.786	547.6
30	50000	.00000	871.00	.5248	.4132	.4242	.2416-01	.1902-01	.1953-01	11.92	90.91	706.4
30	50000	.50000-01	872.00	.3100	.2516	.2956	.1427-01	.1158-01	.1379-01	8.193	60.44	625.7
30	50000	.10000-00	873.00	.1088	.8920-01	.1063	.5007-02	.4109-02	.4986-02	3.049	22.12	590.8
30	50000	.20000	874.00	.1410	.1159	.1422	.6490-02	.5334-02	.6546-02	3.993	28.12	584.4
30	50000	.30000	875.00	.1250	.1029	.1264	.5756-02	.4736-02	.5018-02	3.561	25.12	581.0
30	50000	.40000	876.00	.1022	.8420-01	.1034	.4707-02	.3878-02	.4762-02	2.936	20.77	575.9
30	50000	.60000	877.00	.8460-01	.6480-01	.8570-01	.3897-02	.3214-02	.3947-02	2.444	16.77	572.5
30	50000	.90000	878.00	.3980-01	.3300-01	.4030-01	.1831-02	.1518-02	.1857-02	1.185	9.220	552.8
30	60000	.00000	879.00	.4795	.3760	.3862	.2208-01	.1731-01	.1778-01	10.69	84.32	715.4
30	60000	.00000	880.00	.4050	.3183	.3268	.1865-01	.1465-01	.1505-01	9.123	78.12	710.5
30	60000	.25000-01	881.00	.4681	.3739	.4363	.2155-01	.1721-01	.2018-01	11.40	82.31	670.8
30	60000	.50000-01	882.00	.2662	.2151	.2579	.1225-01	.9905-02	.1187-01	6.887	63.69	637.8
30	60000	.75000-01	883.00	.2724	.2214	.2656	.1254-01	.1019-01	.1241-01	7.265	51.94	620.4
30	60000	.10000-00	884.00	.2128	.1740	.2128	.9797-02	.8009-02	.9798-02	5.851	40.84	602.6
30	60000	.20000	885.00	.1502	.1233	.1518	.6915-02	.5679-02	.6990-02	4.235	29.79	587.2
30	60000	.30000	886.00	.1082	.8910-01	.1054	.4983-02	.4104-02	.5036-02	3.100	20.58	577.5
30	60000	.40000	887.00	.2045	.1676	.2065	.9414-02	.7719-02	.9507-02	5.714	38.82	592.8
30	60000	.50000	888.00	.2567	.2426	.3005	.1366-01	.1117-01	.1384-01	8.171	55.28	601.6
30	60000	.60000	889.00	.2654	.2182	.2659	.1227-01	.1005-01	.1243-01	7.399	50.18	596.5
30	60000	.70000	890.00	.2357	.1933	.2403	.1085-01	.8901-02	.1106-01	6.604	46.36	591.1
30	60000	.80000	891.00	.1369	.1129	.1411	.6301-02	.5197-02	.6496-02	3.952	28.93	572.6
30	60000	.90000	892.00	.1261	.1042	.1305	.5805-02	.4797-02	.6007-02	3.681	26.60	565.6
30	60000	.95000	893.00	.9030-01	.7470-01	.9450-01	.4156-02	.3441-02	.4349-02	2.665	19.98	558.4
30	60000	.00000	894.00	.6440-01	.5340-01	.6760-01	.2964-02	.2457-02	.3112-02	1.915	14.39	553.6
30	60000	.00000	895.00	.3218	.2412	.2473	.1390-01	.1111-01	.1139-01	7.375	59.44	669.1
30	70000	.00000	896.00	.1814	.1462	.1458	.8351-02	.6732-02	.6895-02	4.630	57.72	645.3
30	70000	.25000-01	897.00	.2390	.1950	.2245	.1100-01	.8977-02	.1034-01	6.495	58.36	609.5
30	70000	.10000-00	898.00	.2457	.2013	.2452	.1131-01	.9267-02	.1129-01	6.831	46.34	595.9
30	70000	.20000	899.00	.3152	.2583	.3167	.1456-01	.1183-01	.1468-01	8.648	51.90	605.8
30	70000	.30000	900.00	.3213	.2625	.3253	.1479-01	.1208-01	.1459-01	8.804	52.86	604.6
30	70000	.40000	901.00	.2498	.2046	.2529	.1150-01	.9421-02	.1164-01	6.548	43.10	595.6
30	70000	.60000	902.00	.2194	.1794	.2212	.1005-01	.8262-02	.1018-01	6.180	38.53	585.1
30	70000	.90000	903.00	.9940-01	.8220-01	.1038	.4575-02	.3785-02	.4781-02	2.922	20.82	561.1
30	75000	.00000	904.00	.2691	.2192	.2243	.1239-01	.1003-01	.1033-01	7.253	55.72	614.5
30	75000	.25000-01	905.00	.3818	.3072	.3561	.1758-01	.1415-01	.1640-01	9.659	72.94	650.2
30	75000	.50000-01	906.00	.2903	.2375	.2828	.1335-01	.1093-01	.1307-01	8.014	57.87	600.1
30	75000	.10000-00	907.00	.2118	.1740	.2113	.9752-02	.8012-02	.9731-02	5.988	40.83	585.7

(RVIL01)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) (RBITER LOWER WING

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RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/R F12SEC	H(10) BTU/R F12SEC	H(TAW) BTU/R F12SEC	QDOT BTU/ F12SEC	DTWOT /SEC	TH DEG. R
30	.75000	.20000	908.00	.1887	.1953	.1903	.8690-02	.7152-02	.8761-02	5.389	36.86	579.6
30	.75000	.30000	909.00	.2728	.2336	.2757	.1256-01	.1029-01	.1269-01	7.611	47.26	593.7
30	.75000	.40000	910.00	.2885	.2360	.2917	.1328-01	.1087-01	.1343-01	7.971	50.80	599.6
30	.75000	.60000	911.00	.2855	.2340	.2893	.1315-01	.1077-01	.1332-01	7.948	52.30	595.2
30	.75000	.80000	912.00	.1475	.1215	.1520	.6792-02	.5596-02	.7000-02	4.236	34.39	576.0
30	.75000	.90000	913.00	.1054	.8730-01	.1101	.4655-02	.4017-02	.5071-02	3.105	22.50	560.2
30	.75000	.95000	914.00	.7810-01	.6470-01	.8200-01	.3596-02	.2979-02	.3774-02	2.312	17.34	557.0
30	.80000	.00000	915.00	.3491	.2733	.2863	.1607-01	.1286-01	.1318-01	8.573	74.94	666.4
30	.80000	.20000	916.00	.1243	.1026	.1253	.5721-02	.4723-02	.5770-02	3.610	24.82	568.8
30	.80000	.40000	917.00	.2009	.1649	.2029	.9253-02	.7594-02	.9340-02	5.657	39.77	588.1
30	.80000	.60000	918.00	.1193	.9860-01	.1246	.5492-02	.4533-02	.5736-02	3.485	25.18	565.3
30	.80000	.80000	919.00	.4152	.3322	.3405	.1912-01	.1529-01	.1568-01	10.19	76.34	566.7
30	.85000	.00000	920.00	.1336	.1103	.1345	.6153-02	.5077-02	.6192-02	3.873	27.47	570.3
30	.85000	.20000	921.00	.1012	.8360-01	.1021	.4262-02	.3851-02	.4701-02	2.951	21.67	566.7
30	.90000	.00000	922.00	.2500	.2033	.2060	.1151-01	.9359-02	.9578-02	5.674	51.14	620.0
30	.90000	.20000	923.00	.1993	.1640	.1995	.9175-02	.7551-02	.9196-02	5.687	41.48	579.9
30	.90000	.40000	924.00	.1406	.1160	.1412	.6475-02	.5339-02	.6502-02	3.539	28.76	572.7
30	.90000	.60000	925.00	.1217	.1005	.1226	.5524-02	.4627-02	.5645-02	2.759	19.62	568.2
30	.90000	.80000	926.00	.9450-01	.7810-01	.8540-01	.4350-02	.3594-02	.4391-02	2.483	19.26	565.3
30	.90000	.00000	927.00	.8430-01	.6970-01	.8570-01	.3980-02	.3211-02	.3990-02	2.440	19.26	559.7
30	.90000	.20000	928.00	.8270-01	.6850-01	.8550-01	.3810-02	.3153-02	.3984-02	2.440	19.26	559.3
30	.95000	.00000	929.00	.1506	.1240	.1268	.6933-02	.5710-02	.5836-02	4.310	31.46	578.3
30	.95000	.20000	930.00	.1920	.1577	.1862	.8841-02	.7263-02	.6567-02	5.425	38.18	586.1
30	.95000	.40000	931.00	.1701	.1401	.1694	.7834-02	.6449-02	.7800-02	4.865	35.51	578.7
30	.95000	.60000	932.00	.1501	.1238	.1511	.6911-02	.5701-02	.6956-02	4.340	29.80	571.8
30	.95000	.80000	933.00	.1268	.1046	.1278	.5837-02	.4618-02	.5960-02	3.680	26.11	569.3
30	.95000	.00000	934.00	.8490-01	.7020-01	.8550-01	.3928-02	.3232-02	.3948-02	2.491	18.33	562.3
30	.95000	.20000	935.00	.6950-01	.5750-01	.7060-01	.3502-02	.2649-02	.3261-02	2.044	15.31	551.2
30	.95000	.40000	936.00	.6520-01	.5400-01	.6740-01	.3001-02	.2485-02	.3103-02	1.932	14.26	556.0
30	.95000	.60000	937.00	.4350-01	.3640-01	.4550-01	.2022-02	.1678-02	.2111-02	1.315	9.904	549.5

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AEDC VKF V41B-57A (OH-49B) COLLATION CHECK

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OH-49B (AEDC V41B-57A) CRBITER LOWER WING

(RV1L01)

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	FO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
1	8.000	3.780	19.99	.0000	180.0	863.4	.8800-01	1339.	97.00	3.962	3861.	.7647-04
2	8.000	3.783	19.99	.0000	180.0	861.7	.8800-01	1337.	96.90	3.954	3858.	.7646-04
3	8.000	3.766	19.99	.0000	180.0	864.5	.8900-01	1343.	97.40	3.967	3868.	.7632-04

RUN NUMBER	MU LB-SEC /FT ²	HREF STU/ R FT ² SEC	ST FR P =
1	.7812-07	.4914-01	0.0175
2	.7798-07	.4907-01	.2091-01
3	.7838-07	.4920-01	.2094-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (T/H)	H(9T) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(1AH) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	OTWOT DEG. R /SEC	TH DEG. R
3	.30000	.00000	845.00	.3660-01	.3040-01	.3100-01	.1803-02	.1496-02	.1527-02	1.179	13.06	555.3
3	.30000	.50000-01	846.00	.1008	.8290-01	.5910-01	.4980-02	.4079-02	.4874-02	3.085	33.62	587.3
3	.30000	.10000+00	847.00	.8760-01	.7230-01	.6800-01	.4311-02	.3557-02	.4260-02	2.731	23.04	575.5
3	.30000	.20000	848.00	.8220-01	.6800-01	.6200-01	.4045-02	.3345-02	.4035-02	2.535	18.42	567.7
3	.30000	.40000	850.00	.4210-01	.3480-01	.4200-01	.2072-02	.1713-02	.2083-02	1.327	9.419	568.7
3	.30000	.50000	851.00	.4140-01	.3420-01	.4200-01	.2039-02	.1684-02	.2054-02	1.303	9.550	570.0
3	.30000	.60000	852.00	.5140-01	.4240-01	.5200-01	.2527-02	.2088-02	.2558-02	1.612	11.81	571.3
3	.30000	.70000	853.00	.5510-01	.4550-01	.5500-01	.2713-02	.2241-02	.2750-02	1.728	12.25	572.1
3	.30000	.80000	854.00	.6020-01	.5630-01	.6400-01	.2115-02	.1754-02	.2195-02	1.380	10.01	556.6
3	.30000	.90000	855.00	.3080-01	.3560-01	.4400-01	.1514-02	.1257-02	.1563-02	.9860	7.135	550.8
3	.35000	.00000	857.00	.3080-01	.2550-01	.3220-01	.4503-02	.3717-02	.3798-02	2.863	24.18	573.2
3	.40000	.00000	858.00	.1999	.1622	.1660	.9832-02	.7980-02	.8168-02	5.691	55.22	630.3
3	.40000	.50000-01	859.00	.3404	.2764	.3270	.1675-01	.1350-01	.1609-01	9.706	65.87	629.5
3	.40000	.10000+00	860.00	.1895	.1532	.1871	.9322-02	.7637-02	.9203-02	5.675	39.66	600.3
3	.40000	.20000	861.00	.9060-01	.7463-01	.5100-01	.4457-02	.3672-02	.4486-02	2.802	20.44	580.3
3	.40000	.30000	862.00	.6410-01	.5290-01	.6490-01	.3154-02	.2602-02	.3193-02	1.995	14.11	576.6

REPRODUCIBILITY OF 11.
 ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RV1L01)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAN)	H(9T) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(TAH) BTU/R FT2SEC	QDOT BTU/ FT2SEC	OTWDT DEG. R /SEC	TH DEG. R
3	.40000	.40000	863.00	.4510-01	.3810-01	.4670-01	.2259-02	.1873-02	.2298-02	1.441	10.91	573.9
3	.40000	.60000	864.00	.4280-01	.3530-01	.4320-01	.2104-02	.1739-02	.2125-02	1.344	8.958	570.0
3	.40000	.70000	865.00	.4950-01	.4010-01	.4910-01	.2386-02	.1971-02	.2415-02	1.524	10.15	570.5
3	.40000	.75000	866.00	.4370-01	.3510-01	.4440-01	.2150-02	.1777-02	.2184-02	1.377	10.10	568.5
3	.40000	.85000	867.00	.3100-01	.2570-01	.3200-01	.1527-02	.1265-02	.1573-02	.9910	7.419	560.5
3	.40000	.90000	868.00	.2420-01	.2010-01	.2530-01	.1192-02	.9885-03	.1245-02	.7780	6.628	556.2
3	.40000	.95000	869.00	.2020-01	.1680-01	.2120-01	.9941-03	.8254-03	.1044-02	.6530	5.272	551.9
3	.50000	.00000	871.00	.5170	.4062	.4171	.2543-01	.1998-01	.2052-01	12.52	95.04	716.7
3	.50000	.50000-01	872.00	.3063	.2485	.2960	.1507-01	.1223-01	.1456-01	8.704	64.04	631.5
3	.50000	.10000+00	873.00	.1270-01	.1140-01	.1370-01	.6760-03	.5626-03	.6733-03	4.510	3.351	542.2
3	.50000	.20000	874.00	.1570	.1290	.1594	.7724-02	.6346-02	.7791-02	4.781	33.58	590.0
3	.50000	.30000	875.00	.1391	.1144	.1316	.6844-02	.5629-02	.6918-02	4.260	29.97	586.7
3	.50000	.40000	876.00	.1168	.9820-01	.1182	.5745-02	.4732-02	.5813-02	3.603	25.41	582.0
3	.50000	.50000	877.00	.1125	.9260-01	.1139	.5535-02	.4557-02	.5606-02	3.467	23.67	582.7
3	.50000	.60000	878.00	.5310-01	.4400-01	.5390-01	.2233-01	.1800-01	.2651-02	1.693	13.12	561.4
3	.55000	.00000	879.00	.4674	.3659	.3759	.1988-01	.1541-01	.1583-01	11.14	87.45	724.7
3	.60000	.00000	880.00	.4000	.3133	.3218	.1688-01	.1541-01	.1583-01	9.553	81.30	723.6
3	.60000	.25000-01	881.00	.4643	.3701	.4345	.2284-01	.1821-01	.2138-01	12.06	86.61	681.3
3	.60000	.50000-01	882.00	.2678	.2161	.2594	.1317-01	.1063-01	.1276-01	7.412	68.26	646.4
3	.60000	.75000-01	883.00	.2730	.2218	.2702	.1343-01	.1091-01	.1329-01	7.812	55.66	627.4
3	.60000	.80000	884.00	.2201	.1799	.2201	.1083-01	.8849-02	.1083-01	6.503	45.26	608.5
3	.60000	.90000	885.00	.1718	.1403	.1737	.8451-02	.6934-02	.8543-02	5.189	36.35	595.1
3	.60000	.00000	886.00	.1657	.1362	.1674	.8150-02	.6700-02	.8238-02	5.058	33.40	588.4
3	.60000	.40000	887.00	.3173	.2583	.3206	.1561-01	.1271-01	.1577-01	9.189	61.59	620.4
3	.60000	.50000	888.00	.2682	.2259	.2793	.1559-01	.1272-01	.1579-01	8.196	62.46	613.3
3	.60000	.60000	889.00	.2419	.1981	.2466	.1359-01	.1111-01	.1377-01	55.33	50.49	605.9
3	.60000	.70000	891.00	.1439	.1185	.1484	.1190-01	.9744-02	.1213-01	7.230	50.49	601.5
3	.60000	.80000	892.00	.1320	.1089	.1356	.7078-02	.5629-02	.7299-02	4.435	32.30	582.6
3	.60000	.90000	893.00	.9770-01	.8686-01	.1022	.6495-02	.5360-02	.6723-02	4.120	29.63	574.8
3	.60000	.00000	894.00	.6970-01	.5780-01	.2521	.4855-02	.3974-02	.5029-02	3.088	23.06	566.3
3	.65000	.00000	895.00	.3085	.2458	.2521	.3459-02	.2642-02	.3601-02	2.230	16.71	558.9
3	.70000	.00000	896.00	.1892	.1323	.1550	.1519-01	.1209-01	.1240-01	8.000	64.08	682.0
3	.70000	.25000-01	897.00	.2496	.2034	.2344	.9307-02	.7492-02	.7675-02	5.160	64.03	654.7
3	.70000	.50000+00	898.00	.2878	.2351	.2872	.1228-01	.1001-01	.1153-01	7.269	65.07	617.1
3	.70000	.75000	899.00	.3735	.3043	.3763	.1416-01	.1157-01	.1413-01	8.491	57.22	609.4
3	.70000	.90000	900.00	.3409	.2782	.3452	.1837-01	.1497-01	.1852-01	10.86	64.79	618.0
3	.70000	.00000	901.00	.3246	.2649	.3287	.1677-01	.1369-01	.1698-01	10.01	59.65	612.4
3	.70000	.40000	902.00	.2870	.2348	.2903	.1597-01	.1303-01	.1617-01	9.512	58.50	613.4
3	.70000	.60000	903.00	.1022	.8450-01	.1063	.1412-01	.1155-01	.1431-01	8.538	52.73	604.4
3	.70000	.80000	904.00	.3312	.2674	.3312	.5028-02	.4157-02	.5255-02	3.221	22.87	568.4
3	.75000	.00000	905.00	.3812	.3065	.3553	.1629-01	.1315-01	.1749-01	9.171	69.38	646.3
3	.75000	.25000-01	906.00	.2876	.2353	.2812	.1876-01	.1508-01	.1749-01	10.34	77.79	657.8
3	.75000	.50000-01	906.00	.2876	.2353	.2812	.1415-01	.1158-01	.1383-01	8.553	61.63	604.6

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL01)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1C) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
3	75000	.10000+00	907.00	.2154	.1770	.2149	.1060-01	.8706-02	.1057-01	6.558	44.62	590.1
3	75000	.20000	908.00	.2135	.1754	.2153	.1050-01	.8628-02	.1059-01	6.489	44.12	591.4
3	75000	.30000	909.00	.2730	.2287	.2820	.1373-01	.1125-01	.1387-01	8.378	51.89	598.8
3	75000	.40000	910.00	.2903	.2373	.2936	.1428-01	.1168-01	.1444-01	8.595	54.57	607.4
3	75000	.60000	911.00	.2838	.2323	.2876	.1396-01	.1143-01	.1415-01	8.468	55.53	602.6
3	75000	.80000	912.00	.1617	.1329	.1667	.7953-02	.5540-02	.8200-02	4.944	39.92	587.4
3	75000	.90000	913.00	.1123	.9290-01	.1173	.5526-02	.3266-02	.5773-02	3.546	25.60	567.1
3	75000	.95000	914.00	.8020-01	.6640-01	.8420-01	.3946-02	.4359-02	.4141-02	2.547	19.05	563.5
3	80000	.00000	915.00	.3537	.2826	.2697	.1740-01	.1390-01	.1425-01	9.292	80.89	675.1
3	80000	.20000	916.00	.1306	.1078	.1317	.6425-02	.5302-02	.6480-02	4.073	27.92	575.1
3	80000	.40000	917.00	.2147	.1759	.2163	.1056-01	.8655-02	.1067-01	6.438	45.00	599.6
3	80000	.60000	918.00	.1213	.1002	.1267	.5970-02	.4931-02	.6276-02	3.807	27.43	571.4
3	85000	.00000	919.00	.4208	.3362	.3446	.2070-01	.1654-01	.1696-01	11.05	82.42	675.5
3	85000	.20000	920.00	.1307	.1079	.1315	.6432-02	.5308-02	.6473-02	4.080	28.88	574.7
3	85000	.40000	921.00	.1060	.8760-01	.1069	.5216-02	.4309-02	.5260-02	3.328	24.38	571.1
3	90000	.00000	922.00	.2516	.2045	.2092	.1238-01	.1006-01	.1029-01	7.210	55.07	626.6
3	90000	.10000+00	923.00	.1169	.1638	.1178	.9790-02	.8058-02	.9701-02	6.118	44.53	584.1
3	90000	.20000	924.00	.1455	.1200	.1461	.7157-02	.5903-02	.7188-02	4.524	31.98	576.9
3	90000	.30000	925.00	.1169	.9660-01	.1178	.5753-02	.4752-02	.5786-02	25.99	25.99	571.8
3	90000	.50000	926.00	.9310-01	.7690-01	.9390-01	.4578-02	.3784-02	.4622-02	2.932	20.81	568.7
3	90000	.80000	927.00	.1039	.8580-01	.1068	.5110-02	.4222-02	.5256-02	3.266	25.20	570.0
3	90000	.90000	928.00	.9560-01	.7900-01	.1000+00	.4702-02	.3888-02	.4919-02	3.015	23.71	567.8
3	95000	.00000	929.00	.1527	.1258	.1285	.7513-02	.6187-02	.6323-02	4.708	34.30	582.4
3	95000	.50000-01	930.00	.1970	.1619	.1932	.9693-02	.7964-02	.9503-02	5.997	42.11	590.4
3	95000	.10000+00	931.00	.1702	.1402	.1595	.8374-02	.6996-02	.8338-02	38.24	38.24	582.3
3	95000	.20000	932.00	.1496	.1234	.1506	.7361-02	.6073-02	.7408-02	4.665	31.97	575.4
3	95000	.30000	933.00	.1247	.030	.1258	.6137-02	.5068-02	.6189-02	3.908	27.68	572.4
3	95000	.50000	934.00	.8520-01	.7040-01	.8510-01	.4190-02	.3466-02	.4233-02	2.694	19.79	566.0
3	95000	.70000	935.00	.7100-01	.5870-01	.7230-01	.3492-02	.2889-02	.3557-02	2.248	16.79	565.5
3	95000	.80000	936.00	.6810-01	.5650-01	.7050-01	.3353-02	.2778-02	.3466-02	2.179	16.06	559.3
3	95000	.90000	937.00	.4500-01	.3740-01	.4700-01	.2214-02	.1838-02	.2311-02	1.454	10.93	552.3

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L02)

LOWER WING

PARAMETRIC DATA

ALPHA = 25.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BDFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.5 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
169	7.900	.5461	25.03	.0000	180.0	109.9	.1200-01	1259.	93.40	.5330	3740.	.1097-04
170	7.900	.5426	25.03	.0000	180.0	109.8	.1200-01	1263.	93.70	.5330	3747.	.1092-04
171	7.900	.5441	25.04	.0000	180.0	110.8	.1200-01	1269.	94.10	.5380	3755.	.1098-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
169	.7517-07		0.0175
170	.7544-07		.5485-01
171	.7576-07		.5499-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(STO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
171	.30000	.00000	845.00	.3790-01	.3130-01	.3240-01	.6804-03	.5622-03	.5812-03	.4100	4.582	538.8
171	.30000	.50000-01	846.00	.1191	.9810-01	.1145	.2137-02	.1759-02	.2053-02	1.263	14.02	550.6
171	.30000	.10000+00	847.00	.1129	.9310-01	.1091	.2025-02	.1659-02	.1957-02	1.205	10.31	546.8
171	.30000	.20000	848.00	.9330-01	.7590-01	.9100-01	.1673-02	.1378-02	.1632-02	.9980	7.164	545.3
171	.30000	.40000	850.00	.5830-01	.4810-01	.5740-01	.1046-02	.8630-03	.1029-02	.6240	4.486	544.9
171	.30000	.50000	851.00	.4850-01	.3830-01	.4600-01	.8362-03	.6597-03	.8263-03	.5000	3.710	544.2
171	.30000	.60000	852.00	.4070-01	.3350-01	.4630-01	.7298-03	.6024-03	.7232-03	.4380	3.253	542.2
171	.30000	.70000	853.00	.3530-01	.2320-01	.3510-01	.6336-03	.5232-03	.6288-03	.3810	2.744	540.2
171	.30000	.80000	854.00	.3350-01	.2800-01	.1970-01	.6081-03	.5025-03	.6367-03	.3670	2.732	538.4
171	.30000	.90000	855.00	.1930-01	.1600-01	.1970-01	.3461-03	.2865-03	.3527-03	.2110	1.552	531.5
171	.30000	.95000	856.00	.1700-01	.1410-01	.1740-01	.3042-03	.2520-03	.3128-03	.1860	1.347	530.0
171	.35000	.00000	857.00	.1251	.1031	.1057	.2243-02	.1850-02	.1913-02	1.338	1.46	545.4
171	.40000	.00000	858.00	.1913	.1570	.1625	.3432-02	.2816-02	.2915-02	1.990	19.98	561.7
171	.40000	.50000-01	859.00	.3490	.2854	.3204	.6259-02	.5137-02	.5889-02	3.635	25.90	560.9
171	.40000	.10000+00	860.00	.2066	.1717	.2014	.3742-02	.3079-02	.3613-02	2.206	15.79	552.2
171	.40000	.20000	861.00	.1114	.9180-01	.1097	.1939-02	.1647-02	.1967-02	1.188	8.813	546.9
171	.40000	.30000	862.00	.8890-01	.7330-01	.6800-01	.1594-02	.1314-02	.1579-02	.9500	6.826	545.3

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AEDC VKF V41B-57A (CH-498) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL02)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ F22SEC	DTWOT DEG. R /SEC	TW DEG. R
171	.40000	.40000	863.00	.7280-01	.6010-01	.7220-01	.1306-02	.1077-02	.1294-02	.7810	6.004	543.3
171	.40000	.60000	864.00	.7280-01	.6010-01	.7220-01	.1306-02	.1077-02	.1294-02	.7810	6.004	543.3
171	.40000	.70000	865.00	.7280-01	.6020-01	.7220-01	.1307-02	.1080-02	.1295-02	.7870	5.324	539.2
171	.40000	.75000	866.00	.6260-01	.5180-01	.6230-01	.1123-02	.9283-03	.1117-02	.6780	5.328	539.3
171	.40000	.85000	867.00	.4510-01	.3730-01	.4550-01	.6083-03	.6587-03	.8166-03	.6910	5.054	537.8
171	.40000	.90000	868.00	.3670-01	.3040-01	.3770-01	.6588-03	.5452-03	.6760-03	.4010	3.729	534.0
171	.40000	.95000	869.00	.2940-01	.2440-01	.3040-01	.5281-03	.4372-03	.5454-03	.3220	3.459	532.5
171	.50000	.00000	871.00	.5881	.4786	.4930	.1055-01	.8584-02	.8897-02	5.851	2.629	531.1
171	.50000	.50000-01	872.00	.3372	.2769	.3132	.6047-02	.4966-02	.5724-02	5.851	47.25	587.0
171	.50000	.10000-00	873.00	.1830	.1548	.831	.3372-02	.2777-02	.3284-02	1.998	26.89	558.6
171	.50000	.20000	874.00	.1279	.1055	.232	.2294-02	.1892-02	.2264-02	1.371	14.80	549.3
171	.50000	.30000	875.00	.1096	.9050-01	.1034	.1966-02	.1622-02	.1945-02	1.177	9.853	544.0
171	.50000	.40000	876.00	.9530-01	.7870-01	.9440-01	.1710-02	.1411-02	.1693-02	1.025	7.375	542.1
171	.50000	.60000	877.00	.6830-01	.5640-01	.6770-01	.1225-02	.1012-02	.1215-02	1.255	5.158	538.7
171	.50000	.90000	878.00	.3250-01	.2690-01	.3230-01	.5821-03	.4820-03	.5782-03	.3550	2.794	531.5
171	.55000	.00000	879.00	.7201	.5788	.6011	.1291-01	.1038-01	.1078-01	6.712	55.33	622.0
171	.60000	.00000	880.00	.3795	.3090	.3232	.6806-02	.5541-02	.5743-02	3.782	34.38	586.0
171	.60000	.25000-01	881.00	.4523	.3700	.4172	.8112-02	.6637-02	.7482-02	4.629	35.09	571.0
171	.60000	.50000	882.00	.2527	.2075	.2339	.4531-02	.3711-02	.4303-02	2.638	25.36	559.5
171	.60000	.75000-01	883.00	.2535	.2061	.2426	.4433-02	.3697-02	.4351-02	2.648	19.58	552.3
171	.60000	.10000-00	884.00	.1720	.1418	.1633	.3084-02	.2543-02	.3018-02	1.838	13.20	545.8
171	.60000	.20000	885.00	.1026	.8480-01	.1015	.1841-03	.1520-02	.1821-02	1.108	7.380	539.8
171	.60000	.30000	886.00	.9530-01	.7950-01	.9530-01	.1727-02	.1426-02	.1709-02	1.039	7.024	540.5
171	.60000	.40000	887.00	.8550-01	.6300-01	.8230-01	.1497-02	.1237-02	.1490-02	.9010	6.287	539.9
171	.60000	.50000	888.00	.8310-01	.6870-01	.8240-01	.1491-03	.1232-02	.1477-02	.9000	6.281	538.3
171	.60000	.60000	889.00	.7660-01	.6330-01	.7630-01	.1374-02	.1136-02	.1363-02	.8310	5.809	536.8
171	.60000	.80000	891.00	.4650-01	.3840-01	.4630-01	.8331-03	.6895-03	.8416-03	.5070	3.790	532.6
171	.60000	.90000	892.00	.4850-01	.4020-01	.4930-01	.8701-03	.7204-03	.8839-03	.5310	3.905	531.3
171	.60000	.95000	893.00	.4130-01	.3460-01	.4330-01	.7494-03	.6207-03	.7704-03	.4580	3.487	530.0
171	.60000	.994.00	894.00	.3320-01	.2750-01	.3430-01	.5950-03	.4930-03	.6144-03	.3650	2.778	528.5
171	.65000	.00000	895.00	.3468	.2847	.2949	.6255-02	.5105-02	.5269-02	3.522	29.66	578.7
171	.70000	.00000	896.00	.1788	.1466	.1516	.3207-02	.2629-02	.2722-02	1.850	23.99	565.0
171	.70000	.25000-01	897.00	.2348	.1931	.2153	.4210-02	.3453-02	.3271-02	2.476	22.87	553.7
171	.70000	.633.00	898.00	.1858	.1541	.1324	.3351-02	.2763-02	.3271-02	1.998	13.90	545.3
171	.70000	.10000-00	899.00	.1390	.1148	.1371	.2493-02	.2059-02	.2458-02	1.501	9.311	539.6
171	.70000	.20000	900.00	.1303	.1077	.1291	.2338-02	.1931-02	.2315-02	1.410	8.750	538.5
171	.70000	.30000	901.00	.1165	.9630-01	.1155	.2391-02	.1728-02	.2072-02	1.261	8.050	537.7
171	.70000	.60000	902.00	.8910-01	.7360-01	.8830-01	.1597-02	.1321-02	.1593-02	.9880	6.188	535.6
171	.70000	.90000	903.00	.4510-01	.3740-01	.4630-01	.8091-03	.6702-03	.8302-03	.4950	3.585	529.7
171	.75000	.00000	904.00	.2468	.2045	.2113	.4427-02	.3667-02	.3790-02	2.710	21.73	529.4
171	.75000	.25000-01	905.00	.3771	.3087	.3450	.6763-02	.5537-02	.6205-02	3.875	30.45	568.7
171	.75000	.50000-01	906.00	.3003	.2473	.2873	.5386-02	.4435-02	.5153-02	3.185	23.58	550.4
171	.75000	.10000-00	907.00	.2066	.1704	.2017	.3705-02	.3056-02	.3617-02	2.214	15.41	544.2

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS PO

(RV1L02)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 75

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT/SEC	H(10) BTU/ R FT/SEC	H(TAW) BTU/ R FT/SEC	QDOT BTU/ FT/SEC	DTWOT DEG. R /SEC	TW DEG. R
171	75000	.20000	908.00	.1285	.1062	.1258	.2305-02	.1904-02	.2274-02	1.391	9.713	538.1
171	75000	.30000	909.00	.1004	.8300-01	.9920-01	.1800-02	.1488-02	.1780-02	1.091	6.970	535.9
171	75000	.40000	910.00	.5170-01	.7530-01	.9070-01	.1645-02	.1360-02	.1627-02	.9960	6.553	536.1
171	75000	.60000	911.00	.1008	.8330-01	.9990-01	.1807-02	.1495-02	.1792-02	1.097	7.438	534.9
171	75000	.80000	912.00	.5360-01	.4430-01	.5410-01	.9605-03	.7952-03	.9698-03	.5870	4.871	531.1
171	75000	.90000	913.00	.4630-01	.3840-01	.4750-01	.8306-03	.6882-03	.8519-03	.5090	3.750	528.5
171	75000	.95000	914.00	.3250-01	.2690-01	.3350-01	.5821-03	.4825-03	.6004-03	.3570	2.722	527.6
171	80000	.00000	915.00	.3410	.2787	.2887	.5116-02	.4999-02	.5177-02	3.472	31.75	574.0
171	80000	.20000	916.00	.1274	.1052	.1257	.2284-02	.1886-02	.2255-02	1.373	9.571	540.8
171	80000	.40000	917.00	.8000-01	.6620-01	.7910-01	.1435-02	.1186-02	.1418-02	.8700	6.281	535.2
171	80000	.60000	918.00	.5320-01	.4410-01	.5450-01	.9546-03	.7909-03	.7786-03	4.306	4.306	528.9
171	85000	.00000	919.00	.4106	.3357	.3477	.7364-02	.6021-02	.6235-02	4.187	32.83	573.1
171	85000	.20000	920.00	.1505	.1243	.1483	.2700-02	.2230-02	.2659-02	1.624	11.69	540.4
171	85000	.40000	921.00	.1131	.9350-01	.1117	.2029-02	.1677-02	.2003-02	1.228	9.154	536.5
171	90000	.00000	922.00	.2474	.2034	.2105	.4437-02	.3649-02	.3775-02	2.665	20.62	554.7
171	90000	.10000+00	923.00	.2061	.1701	.2019	.3697-02	.3051-02	.3621-02	2.216	16.47	542.3
171	90000	.20000	924.00	.1612	.1331	.1584	.2891-02	.2387-02	.2509-02	1.737	12.50	540.9
171	90000	.30000	925.00	.1120	.1172	.1399	.2544-02	.2102-02	.2509-02	1.535	11.07	538.2
171	90000	.40000	926.00	.1120	.9270-01	.1107	.2010-02	.1662-02	.1986-02	1.219	8.804	534.9
171	90000	.50000	927.00	.6920-01	.5720-01	.5870-01	.1240-02	.1027-02	.1250-02	.7560	5.943	528.7
171	95000	.00000	928.00	.4710-01	.3910-01	.4840-01	.8455-03	.7005-03	.8663-03	.5180	4.156	539.8
171	95000	.10000-01	929.00	.1468	.1213	.1254	.2634-02	.2175-02	.2249-02	1.585	11.80	543.7
171	95000	.20000+00	930.00	.1917	.1582	.1839	.3438-02	.2837-02	.3298-02	2.056	14.78	541.8
171	95000	.30000	931.00	.1772	.1463	.1722	.3178-02	.2623-02	.3096-02	1.907	14.17	539.7
171	95000	.40000	932.00	.1572	.1299	.1549	.2820-02	.2329-02	.2777-02	1.698	11.85	538.3
171	95000	.50000	933.00	.1524	.1259	.1504	.2733-02	.2259-02	.2698-02	1.649	11.89	534.7
171	95000	.60000	934.00	.1023	.8460-01	.1012	.1834-02	.1517-02	.1814-02	1.113	8.306	532.6
171	95000	.70000	935.00	.7940-01	.6570-01	.7520-01	.1423-02	.1178-02	.1420-02	.8670	6.586	531.0
171	95000	.80000	936.00	.7570-01	.6350-01	.7780-01	.1376-02	.1139-02	.1395-02	.8400	6.281	528.7
171	95000	.90000	937.00	.5500-01	.4560-01	.5640-01	.9863-03	.8172-03	.1012-02	.6050	4.602	

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL02)

LOWER WING

PARAMETRIC DATA

ALPHA = 25.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = 0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO FSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
142	7.940	1.027	25.05	.0000	180.0	210.9	.2300-01	1264.	92.90	1.001	3750.	.2048-04
143	7.940	1.025	25.04	.0000	180.0	211.2	.2300-01	1267.	93.10	1.002	3754.	.2047-04
144	7.940	1.019	25.04	.0000	180.0	210.9	.2300-01	1271.	93.40	1.001	3760.	.2037-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
142	7480-07		0.0175
143	7495-07		.4017-01
144	7520-07		.4018-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
144	30000	.0000	845.00	.3840-01	.3170-01	.3270-01	.9394-03	.7747-03	.8012-03	.5620	6.250	546.0
144	30000	.5000-01	846.00	.1178	.9680-01	.1132	.2684-02	.2369-02	.2770-02	1.685	18.62	559.6
144	30000	.1000-00	847.00	.1010	.8310-01	.9760-01	.2472-02	.2333-02	.2399-02	1.454	12.38	556.0
144	30000	.2000	848.00	.9250-01	.7610-01	.9020-01	.2263-02	.1863-02	.2207-02	1.338	9.577	552.5
144	30000	.4000	850.00	.5600-01	.4610-01	.5000-01	.1359-02	.1127-02	.1347-02	.8090	5.791	552.9
144	30000	.5000	851.00	.4090-01	.3370-01	.4060-01	.1001-02	.8243-03	.9927-03	.5920	4.380	552.5
144	30000	.6000	852.00	.2860-01	.3180-01	.3620-01	.9440-03	.7773-03	.9353-03	.5600	4.140	551.2
144	30000	.7000	853.00	.3480-01	.2870-01	.3450-01	.6514-03	.7013-03	.6449-03	.5060	3.622	550.1
144	30000	.8000	854.00	.3230-01	.2660-01	.20-01	.7900-03	.6510-03	.7882-03	.4700	3.485	548.6
144	30000	.9000	855.00	.1940-01	.1600-01	.1180-01	.4752-03	.3924-03	.4845-03	.2860	2.093	541.7
144	30000	.9500	856.00	.2020-01	.1670-01	.2080-01	.4944-03	.4085-03	.5085-03	.2990	2.151	539.8
144	35000	.0000	857.00	.2020-01	.1670-01	.7220-01	.2077-02	.1709-02	.1768-02	1.224	10.44	554.4
144	40000	.0000	858.00	.1901	.1554	.1609	.4652-02	.3822-02	.3938-02	2.647	26.39	575.0
144	40000	.5000-01	859.00	.3538	.2893	.3125	.6659-02	.7079-02	.8138-02	4.930	34.89	574.6
144	40000	.1000-00	860.00	.2054	.1695	.1582	.5026-02	.4124-02	.4650-02	2.919	20.77	563.3
144	40000	.2000	861.00	.1079	.6870-01	.1062	.2640-02	.2170-02	.2599-02	1.550	11.44	546.8
144	40000	.3000	862.00	.6390-01	.6900-01	.6120-01	.2054-02	.1690-02	.2035-02	1.210	8.647	555.0

AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
144	40000	40000	863.00	6800-01	5600-01	6740-01	1655-02	1370-02	1651-02	9820	7.508	554.1
144	40000	60000	864.00	6370-01	5410-01	6490-01	1607-02	1324-02	1589-02	9530	6.409	551.1
144	40000	70000	865.00	7050-01	5800-01	6580-01	1725-02	1420-02	1709-02	1.023	6.881	550.9
144	40000	75000	866.00	5930-01	4880-01	5500-01	1451-02	1195-02	1443-02	8630	6.391	549.2
144	40000	85000	867.00	4700-01	3880-01	4750-01	1151-02	9493-03	1163-02	6890	5.199	545.3
144	40000	90000	868.00	3720-01	3070-01	3820-01	7016-03	5733-03	9344-03	5460	4.684	543.5
144	40000	95000	869.00	2870-01	2370-01	2560-01	1437-01	1161-01	1204-01	4220	3.424	542.1
144	50000	00000	871.00	5871	4742	4521	8263-02	6783-02	7818-02	7.677	61.31	573.1
144	50000	50000-01	872.00	3379	2763	3193	4509-02	3703-02	4389-02	4.720	35.73	573.7
144	50000	10000-00	873.00	1842	1513	1794	3159-02	2606-02	3127-02	2.634	19.41	556.1
144	50000	20000	874.00	1295	1065	1278	2739-02	2232-02	2709-02	1.611	11.51	555.7
144	50000	30000	875.00	1119	9200-01	1107	2342-02	1927-02	2319-02	1.382	9.878	554.1
144	50000	40000	876.00	9570-01	7870-01	9480-01	1677-02	1381-02	1662-02	9930	6.894	552.0
144	50000	50000	877.00	6850-01	5640-01	6790-01	8464-03	6935-03	8405-03	5080	3.975	543.3
144	50000	60000	878.00	3460-01	2850-01	3430-01	9608-02	7758-02	8050-02	8.455	68.63	654.1
144	55000	00000	879.00	7052	5600	5826	1120-01	9137-02	1030-01	5.120	45.97	591.7
144	60000	00000	880.00	3926	3170	3289	6285-02	5094-02	5960-02	6.187	46.41	576.7
144	60000	25000-01	881.00	4578	3721	4210	4280-02	3518-02	4185-02	33.97	26.28	568.0
144	60000	50000-01	882.00	2558	2038	2435	2333-02	1970-02	2367-02	2.512	17.94	557.0
144	60000	75000-01	883.00	2541	2031	2458	2348-02	1933-02	2322-02	1.419	10.16	551.1
144	60000	10000-00	884.00	1749	1437	1710	2089-02	1720-02	2064-02	1.235	9.352	551.6
144	60000	20000	885.00	9780-01	8050-01	9670-01	1951-02	1606-02	1923-02	1.155	8.005	552.2
144	60000	30000	886.00	9590-01	7900-01	9490-01	1801-02	1483-02	1785-02	1.068	7.407	551.0
144	60000	40000	887.00	8540-01	7030-01	8430-01	1063-02	8333-03	1101-02	6510	5.263	544.4
144	60000	50000	888.00	7970-01	6560-01	7290-01	1202-02	9318-03	1220-02	7210	4.833	544.9
144	60000	60000	889.00	4450-01	3670-01	4500-01	9532-03	7919-03	9866-03	5.770	4.364	542.1
144	60000	80000	891.00	4910-01	4050-01	4590-01	6917-03	5713-03	7147-03	4.170	3.157	540.6
144	60000	90000	892.00	3920-01	3240-01	4030-01	8405-02	6314-02	7066-02	4.573	38.11	599.9
144	60000	95000	894.00	2830-01	2350-01	2520-01	4263-02	3475-02	5000-02	4.573	38.11	599.9
144	65000	00000	895.00	1742	1420	1471	5708-02	4675-02	5250-02	2.389	30.69	583.6
144	70000	25000-01	897.00	2332	1910	2145	4466-02	3671-02	4358-02	3.282	30.08	569.0
144	70000	50000-00	898.00	1825	1500	1781	3024-02	2489-02	2994-02	2.000	18.13	557.0
144	70000	75000	899.00	1381	1137	1362	3025-02	2490-02	3333-02	2.000	12.32	552.5
144	70000	90000	900.00	1235	1017	1224	1851-02	1851-02	2936-02	1.791	11.04	551.6
144	70000	95000	901.00	1236	1018	1224	8713-03	8713-03	1084-02	1.336	8.478	549.5
144	70000	10000-01	902.00	9180-01	7560-01	9100-01	4254-02	4254-02	4400-02	2.389	4.564	542.7
144	70000	20000	903.00	4310-01	3560-01	4430-01	5163-02	4254-02	4400-02	6.350	24.37	549.2
144	70000	30000	904.00	2110	1738	1798	7189-02	5992-02	8400-02	3.071	39.53	590.2
144	70000	40000	905.00	3752	3051	3332	5026-02	4129-02	4904-02	5.085	30.49	566.4
144	75000	00000-01	906.00	2938	2408	2607	5026-02	4129-02	4904-02	2.942	20.33	558.7
144	75000	50000-01	907.00	2054	1687	2004	5026-02	4129-02	4904-02	2.942	20.33	558.7
144	75000	10000-00	907.00	2054	1687	2004	5026-02	4129-02	4904-02	2.942	20.33	558.7

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OH-498 (AEDC V415-57A) ORBITER LOWER WING

(RVIL02)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTNOT DEG. R /SEC	TW DEG. R
144	.75000	.20000	908.00	.1139	.9380-01	.1124	.2788-02	.2295-02	.2751-02	1.651	11.45	551.7
144	.75000	.30000	909.00	.9940-01	.8190-01	.9820-01	.2422-02	.2014-02	.2404-02	1.448	9.195	548.6
144	.75000	.40000	910.00	.9260-01	.7630-01	.9150-01	.2266-02	.1677-02	.2241-02	1.348	8.814	548.8
144	.75000	.60000	911.00	.1016	.8370-01	.1007	.2486-02	.2049-02	.2465-02	1.480	9.964	548.9
144	.75000	.80000	912.00	.5590-01	.4610-01	.5640-01	.1367-02	.1127-02	.1381-02	.8170	6.736	546.1
144	.75000	.90000	913.00	.4510-01	.3730-01	.4630-01	.1104-02	.9119-03	.1133-02	.6650	4.864	541.7
144	.75000	.95000	914.00	.3210-01	.2650-01	.3310-01	.7844-03	.6478-03	.6095-03	.4730	3.578	540.9
144	.80000	.00000	915.00	.3486	.2828	.2933	.8532-02	.6922-02	.7177-02	4.661	42.12	597.6
144	.80000	.20000	916.00	.1401	.1153	.332	.3423-02	.2822-02	.3333-02	2.031	14.09	551.4
144	.80000	.40000	917.00	.8870-01	.7300-01	.8760-01	.2170-02	.1788-02	.2144-02	1.291	9.250	549.2
144	.80000	.60000	918.00	.5400-01	.4450-01	.5530-01	.1321-02	.1090-02	.1355-02	.7940	5.800	543.0
144	.85000	.00000	919.00	.4118	.3341	.3434	.1008-01	.8175-02	.8477-02	5.507	42.66	597.5
144	.85000	.20000	920.00	.1523	.1253	.1499	.3727-02	.3065-02	.3669-02	2.138	15.72	554.0
144	.85000	.40000	921.00	.1079	.8890-01	.1065	.2642-02	.2175-02	.2607-02	1.565	11.58	551.3
144	.90000	.00000	922.00	.2468	.2018	.2030	.6041-02	.4933-02	.5115-02	3.443	26.99	574.0
144	.90000	.10000+00	923.00	.2053	.1687	.2010	.5024-02	.4130-02	.4919-02	2.948	21.74	557.2
144	.90000	.20000	924.00	.1653	.1368	.1634	.4069-02	.3347-02	.3998-02	2.398	17.15	554.5
144	.90000	.30000	925.00	.1390	.1144	.1370	.3401-02	.2800-02	.3353-02	2.011	14.39	552.7
144	.90000	.50000	926.00	.1147	.9440-01	.1133	.2805-02	.2311-02	.2773-02	1.664	11.92	551.0
144	.90000	.60000	927.00	.8860-01	.7300-01	.8930-01	.2168-02	.1786-02	.2186-02	1.291	10.07	548.3
144	.90000	.80000	928.00	.7480-01	.6160-01	.7630-01	.1829-02	.1509-02	.1880-02	1.093	8.687	546.4
144	.95000	.00000	929.00	.1437	.1182	.1223	.3518-02	.2894-02	.2994-02	2.073	15.31	554.6
144	.95000	.50000-01	930.00	.1851	.1522	.1774	.4531-02	.3724-02	.4343-02	2.656	18.96	557.7
144	.95000	.10000+00	931.00	.1774	.1459	.1728	.4342-02	.3571-02	.4228-02	2.554	18.86	555.7
144	.95000	.20000	932.00	.1674	.1377	.1648	.4097-02	.3371-02	.4034-02	2.419	16.76	553.5
144	.95000	.30000	933.00	.1498	.1224	.1469	.3643-02	.2996-02	.3595-02	2.147	15.35	554.6
144	.95000	.50000	934.00	.1044	.8600-01	.1032	.2554-02	.2104-02	.2526-02	1.517	11.24	549.8
144	.95000	.70000	935.00	.8000-01	.6590-01	.7930-01	.1957-02	.1613-02	.1953-02	1.167	8.795	547.7
144	.95000	.80000	936.00	.8030-01	.6620-01	.8140-01	.1964-02	.1620-02	.1993-02	1.176	8.728	545.2
144	.95000	.90000	937.00	.5290-C1	.4360-01	.5430-01	.1294-02	.1068-02	.1328-02	.7780	5.881	542.6

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OH-49B (AEDC V413-57A) ORBITER LOWER WING

(RV1102)

LOWER WING

PARAMETRIC DATA

ALPHA = 25.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO FSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RNO SLUGS /FT3
121	7.970	1.507	25.03	.0000	180.0	315.1	.3300-01	1282.	93.50	1.489	3777.	.3004-04
122	7.970	1.511	25.04	.0000	180.0	320.7	.3400-01	1283.	93.60	1.495	3778.	.3013-04
123	7.970	1.499	25.07	.0000	180.0	316.3	.3300-01	1284.	93.70	1.486	3781.	.2991-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
121	.7531-07	.2399 01	0.0175
122	.7536-07	.2996-01	.3321-01
123	.7545-07	.2987-01	.3316-01

TEST DATA

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	D*DOT DEG. R /SEC	TW DEG. R
123	.30000	.00000	845.00	.3010-01	.3230-01	.3340-01	.1169-02	.9649-03	.9979-03	.7090	7.871	549.8
123	.30000	.50000-01	845.01	.1164	.9550-01	.1118	.3478-02	.2354-02	.3339-02	2.043	22.48	568.5
123	.30000	.10000+00	847.00	.1014	.8330-01	.9790-01	.3028-02	.2488-02	.2924-02	1.794	15.22	563.3
123	.30000	.20000	848.00	.9350-01	.7690-01	.9120-01	.2791-02	.2297-02	.2723-02	1.667	11.89	558.6
123	.30000	.40000	850.00	.5210-01	.4290-01	.5120-01	.1555-02	.1230-02	.1530-02	.9230	6.626	558.6
123	.30000	.50000	851.00	.3960-01	.3260-01	.3520-01	.1183-02	.9735-03	.1172-02	.7070	5.212	558.2
123	.30000	.60000	852.00	.3770-01	.3110-01	.340-01	.1127-02	.3232-03	.1117-02	.5750	4.982	556.8
123	.30000	.70000	853.00	.3180-01	.2620-01	.3160-01	.9505-03	.7930-03	.3431-03	.5710	4.079	555.3
123	.30000	.80000	854.00	.3300-01	.2720-01	.3290-01	.9265-03	.8130-03	.5031-03	.5940	4.388	553.9
123	.30000	.90000	855.00	.2140-01	.1770-01	.2180-01	.6390-02	.5281-03	.6513-03	.3910	2.353	544.2
123	.30000	.95000	856.00	.2200-01	.1820-01	.2260-01	.6557-03	.5422-03	.6742-03	.4320	2.894	542.2
123	.35000	.00000	857.00	.1178	.9680-01	.1602	.3518-02	.2893-02	.2953-02	2.030	17.75	561.9
123	.40000	.00000	858.00	.1678	.1532	.1587	.3610-02	.4575-02	.4741-02	3.185	31.56	588.1
123	.40000	.50000-01	859.00	.3460	.2821	.3248	.1033-01	.8426-02	.702-02	5.851	41.19	588.7
123	.40000	.10000+00	860.00	.2093	.1715	.2019	.6253-02	.5123-02	.6032-02	3.640	25.77	573.7
123	.40000	.20000	861.00	.1071	.8800-01	.1055	.3200-02	.2623-02	.3150-02	1.601	13.90	564.8
123	.40000	.30000	862.00	.8050-01	.6630-01	.7580-01	.2408-02	.1980-02	.2385-02	1.430	10.12	562.1

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(1ST) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
123	40000	40000	863.00	6440-01	5300-01	6380-01	1924-02	1583-02	1907-02	1.147	8.740	559.8
123	40000	60000	864.00	6130-01	5100-01	6120-01	1849-02	1523-02	1827-02	1.109	7.440	556.1
123	40000	70000	865.00	6620-01	5450-01	6560-01	1978-02	1629-02	1959-02	1.185	7.952	556.5
123	40000	85000	866.00	5590-01	4610-01	5560-01	1670-02	1376-02	1661-02	1.004	7.415	554.6
123	40000	85000	867.00	4540-01	3740-01	4580-01	1355-02	1118-02	1369-02	.8220	6.194	549.1
123	40000	90000	868.00	3560-01	2940-01	3650-01	1063-02	.6776-03	1091-02	.6470	5.536	547.0
123	40000	95000	869.00	2780-01	2300-01	2670-01	.8296-03	.6856-03	.8571-03	.5070	4.106	544.7
123	50000	50000	871.00	5638	4526	4702	1.684 01	1.352 01	1.404 01	8.808	69.55	632.9
123	50000	50000	872.00	3394	2739	3205	1014-01	.8270-02	.9577-02	5.71	43.31	587.6
123	50000	10000*00	873.00	1917	1573	1866	5727-02	.6537-02	.5574-02	3.355	24.59	570.0
123	50000	20000	874.00	1319	1084	1301	3940-02	.323-02	.3887-02	2.333	16.50	563.9
123	50000	30000	875.00	1146	9420-01	1.33	7423-02	.2338-02	.3385-02	2.027	14.42	563.9
123	50000	40000	876.00	9640-01	7930-01	9540-01	2080-02	.2338-02	.2651-02	1.712	12.20	561.4
123	50000	60000	877.00	7430-01	6120-01	7370-01	2221-02	.1828-02	.2201-02	1.328	9.185	557.6
123	50000	90000	878.00	3730-01	3080-01	3700-01	1114-02	.9201-03	.1106-02	.6790	5.298	516.7
123	55000	00000	879.00	6900	5422	5651	2061-01	.1620-01	.1623-01	9.712	77.70	684.6
123	60000	00000	880.00	3890	3114	3234	1159-01	.9300-02	.9661-02	6.049	53.71	633.9
123	60000	25000-01	881.00	4640	3756	4260	1386-01	.1122-01	.1272-01	7.561	56.20	610.3
123	60000	50000-01	882.00	2584	2105	2448	7719-02	.6288-02	.7312-02	4.356	41.21	591.5
123	60000	75000-01	883.00	2547	2082	2453	7607-02	.6220-02	.7357-02	4.381	31.96	579.9
123	60000	10000*00	884.00	1763	1448	1724	5267-02	.4325-02	.5150-02	3.108	22.09	565.8
123	60000	20000	885.00	9520-01	7830-01	9410-01	2843-02	.2340-02	.2811-02	1.699	12.12	558.1
123	60000	30000	886.00	8660-01	7120-01	8560-01	2585-02	.2127-02	.2557-02	1.541	10.32	559.9
123	60000	40000	887.00	7930-01	6530-01	7340-01	2370-02	.1949-02	.2341-02	1.409	9.729	561.1
123	60000	50000	888.00	7630-01	6280-01	7560-01	2280-02	.1876-02	.2259-02	1.361	9.409	558.7
123	60000	60000	889.00	7250-01	5970-01	7190-01	2167-02	.1785-02	.2148-02	1.239	8.984	556.6
123	60000	80000	891.00	4470-01	3690-01	4510-01	1335-02	.1101-02	.1349-02	.9080	5.985	550.2
123	60000	85000	892.00	4990-01	4120-01	5070-01	1491-02	.1231-02	.1513-02	.9060	6.602	548.3
123	60000	95000	893.00	4000-01	3300-01	4110-01	1134-02	.9864-03	.1228-02	.7290	5.499	545.5
123	60000	00000	894.00	3000-01	2480-01	3090-01	.8948-03	.7398-03	.9243-03	.5480	4.145	542.8
123	60000	00000	895.00	3403	2748	2852	1017-01	.8210-01	.8520-02	5.479	45.28	616.9
123	70000	00000	896.00	1560	1269	1316	4660-02	.3792-02	.3930-02	2.615	33.41	594.7
123	70000	25000-01	897.00	2138	1749	1966	6387-02	.5226-02	.5871-02	3.691	33.68	578.1
123	70000	10000*00	898.00	1730	1422	1688	5168-02	.4247-02	.5042-02	3.059	21.06	564.0
123	70000	20000	899.00	1367	1125	1348	4084-02	.3361-02	.4026-02	2.436	14.95	559.5
123	70000	30000	900.00	1231	1013	1219	3676-02	.3026-02	.3640-02	2.199	13.51	557.7
123	70000	40000	901.00	1263	1039	1251	3774-02	.3105-02	.3737-02	2.250	14.21	559.6
123	70000	60000	902.00	9170-01	7550-01	9090-01	2739-02	.2255-02	.2715-02	1.639	10.37	557.3
123	70000	90000	903.00	4740-01	3910-01	4830-01	1415-02	.1169-02	.1453-02	.8630	6.191	546.4
123	75000	00000	904.00	2138	1754	1815	6386-02	.5238-02	.5423-02	3.742	29.38	570.0
123	75000	25000-01	905.00	3743	3034	3418	1118-01	.9062-02	.1021-01	6.143	47.38	606.4
123	75000	50000-01	906.00	2954	2417	2821	.8823-02	.1221-02	.8428-02	5.107	37.31	577.0
123	75000	10000*00	907.00	2074	1703	2124	.6196-02	.5087-02	.6045-02	3.650	25.12	566.9

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-49B) COLLECTION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R F12SEC	H(1TO) BTU/ R F12SEC	H(1AW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMDT DEG. R /SEC	TH DEG. R
123	.75000	.20000	908.00	.1222	.1006	.1206	.3552-02	.3006-02	.3602-02	2.181	15.08	558.5
123	.75000	.30000	909.00	.1198	.9860-01	.1194	.3578-02	.2946-02	.3537-02	2.141	13.54	557.4
123	.75000	.40000	910.00	.1008	.3300-01	.9370-01	.3010-02	.2480-02	.2977-02	1.806	11.76	556.0
123	.75000	.60000	911.00	.1021	.8410-01	.1012	.3049-02	.2512-02	.3022-02	1.829	12.28	551.5
123	.75000	.80000	912.00	.5810-01	.4800-01	.5370-01	.1737-02	.1433-02	.1754-02	1.050	8.628	545.9
123	.75000	.90000	913.00	.4660-01	.3850-01	.4780-01	.1392-02	.1150-02	.1428-02	.8490	6.198	544.0
123	.75000	.95000	914.00	.3370-01	.2790-01	.3480-01	.1007-02	.8320-03	.1039-02	.6160	4.652	544.0
123	.80000	.00000	915.00	.3497	.2825	.2932	.1045-01	.8440-02	.8758-02	5.641	50.53	615.9
123	.80000	.20000	916.00	.1395	.1148	.1376	.4167-02	.3431-02	.4112-02	2.493	17.24	557.5
123	.80000	.40000	917.00	.1908	.1566	.1985	.5701-02	.4676-02	.5630-02	3.343	23.72	569.5
123	.80000	.60000	918.00	.5500-01	.4540-01	.5340-01	.1642-02	.1356-02	.1694-02	.9980	7.279	547.9
123	.85000	.00000	919.00	.4135	.3342	.3468	.1235-01	.9932-02	.1036-01	6.677	51.22	615.3
123	.85000	.20000	920.00	.1274	.1049	.1520	.4611-02	.3794-02	.4539-02	2.750	19.61	559.5
123	.90000	.40000	921.00	.2446	.1996	.2063	.7306-02	.5963-02	.6178-02	4.185	32.46	585.7
123	.90000	.60000	922.00	.2153	.1777	.2117	.6461-02	.5307-02	.6325-02	3.815	28.03	565.3
123	.90000	.80000	923.00	.1636	.1345	.1507	.4988-02	.4019-02	.4801-02	2.905	8.69	561.6
123	.90000	.90000	924.00	.1423	.1171	.1403	.4252-02	.3499-02	.4191-02	2.539	14.11	558.7
123	.90000	.00000	925.00	.1127	.9280-01	.1113	.3366-02	.2772-02	.3325-02	2.016	14.39	557.1
123	.90000	.20000	926.00	.1183	.9740-01	.1193	.3534-02	.2910-02	.3564-02	2.115	16.42	557.4
123	.90000	.40000	927.00	.1014	.8360-01	.1043	.3030-02	.2497-02	.3115-02	1.822	14.42	554.6
123	.95000	.00000	928.00	.1431	.1178	.1219	.4276-02	.3518-02	.3640-02	2.551	18.80	559.2
123	.95000	.20000	929.00	.1878	.1543	.1800	.5610-02	.4603-02	.5376-02	3.311	23.54	565.6
123	.95000	.40000	930.00	.1742	.1432	.1696	.5204-02	.4277-02	.5065-02	3.084	22.68	563.2
123	.95000	.60000	931.00	.1645	.1353	.1620	.4914-02	.4041-02	.4838-02	2.923	20.18	561.0
123	.95000	.80000	932.00	.1482	.1219	.1462	.4427-02	.3642-02	.4368-02	2.639	18.82	559.6
123	.95000	.90000	933.00	.1013	.8350-01	.1002	.3026-02	.2493-02	.2993-02	1.817	12.41	555.5
123	.95000	.00000	934.00	.8290-01	.6840-01	.8270-01	.2477-02	.2042-02	.2471-02	1.493	11.23	552.9
123	.95000	.20000	935.00	.8130-01	.5710-01	.8250-01	.2429-02	.2004-02	.2464-02	1.473	10.90	549.6
123	.95000	.40000	936.00	.5480-01	.4520-01	.5620-01	.1636-02	.1351-02	.1679-02	.9980	7.526	546.1

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

PARAMETRIC DATA

ALPHA = 25.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
88	7.980	2.028	25.04	.0000	180.0	429.7	.4500-01	1279.	93.10	1.994	3774.	.4030-04
89	7.980	2.024	25.08	.0000	180.0	432.2	.4500-01	1286.	93.60	2.006	3783.	.4032-04
90	7.980	2.012	25.06	.0000	180.0	431.7	.4500-01	1290.	93.90	2.003	3789.	.4015-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
88	.7499-07	.3458-01	.0175	0.0175
89	.7537-07	.3471-01	.2867-01	.2867-01
90	.7561-07	.3471-01	.2874-01	.2874-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(OTO) BTU/ R FT2SEC	H(ITA) BTU/ R FT2SEC	H(ITA) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTHOT DEG. R /SEC	TW DEG. R
90	.30000	.00000	845.00	.3950-01	.3270-01	.3380-01	.1372-02	.1136-02	.1174-02	.8950	9.552	537.8
90	.30000	.50000-01	846.00	.1167	.9600-01	.1121	.4051-02	.3334-02	.3892-02	2.429	26.83	561.2
90	.30000	.10000+00	847.00	.1063	.8770-01	.1027	.3690-02	.3043-02	.3567-02	2.239	19.09	554.1
90	.30000	.20000	848.00	.9470-01	.7820-01	.5240-01	.3268-02	.2715-02	.3209-02	2.008	14.38	550.3
90	.30000	.40000	850.00	.5100-01	.4210-01	.5020-01	.1771-02	.1462-02	.1742-02	1.079	7.726	551.6
90	.30000	.50000	851.00	.3920-01	.3150-01	.3790-01	.1326-02	.1094-02	.1314-02	.8080	5.982	551.1
90	.30000	.60000	852.00	.3740-01	.3090-01	.3710-01	.1300-02	.1073-02	.1288-02	.7950	5.885	549.6
90	.30000	.70000	853.00	.3100-01	.2550-01	.3070-01	.1075-02	.8968-03	.1067-02	.6610	4.745	546.3
90	.30000	.80000	854.00	.3560-01	.2950-01	.3560-01	.1237-02	.1024-02	.1235-02	.7660	5.692	542.1
90	.30000	.90000	855.00	.2490-01	.2070-01	.2540-01	.8643-03	.7182-03	.8804-03	.5480	4.039	526.8
90	.30000	.00000	856.00	.2440-01	.2030-01	.2510-01	.8483-03	.7057-03	.8714-03	.5410	3.934	522.7
90	.35000	.00000	857.00	.1027	.8480-01	.6770-01	.3564-02	.2943-02	.3043-02	2.177	18.60	550.0
90	.40000	.00000	858.00	.1930	.1578	.1634	.6698-02	.5477-02	.5673-02	3.876	38.51	582.3
90	.40000	.50000-01	859.00	.3517	.2875	.3305	.1221-01	.9979-02	.1147-01	7.044	49.61	584.1
90	.40000	.10000+00	860.00	.2099	.1724	.2026	.7285-02	.5985-02	.7031-02	4.325	30.72	567.3
90	.40000	.20000	861.00	.1060	.8740-01	.1044	.3679-02	.3033-02	.3623-02	2.228	16.45	555.5
90	.40000	.30000	862.00	.8010-01	.6600-01	.9400-01	.2780-02	.2292-02	.2755-02	1.685	12.04	555.0

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(RV1L02)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	I/HREF (TAW)	H(OTO) BTU/ R FT2SEC	H(ITO) BTU/ R FT2SEC	H(UTAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTAOT DEG. R /SEC	TH DEG. R
90	40000	40000	863.00	6370-01	5250-01	6310-01	2210-02	1823-02	2191-02	1.344	10.28	553.0
90	40000	60000	864.00	5690-01	4700-01	5630-01	1975-02	1632-02	1953-02	1.211	8.163	547.7
90	40000	70000	865.00	6390-01	5290-01	6340-01	2210-02	1835-02	2199-02	1.365	9.210	545.7
90	40000	75000	866.00	5460-01	4520-01	5430-01	1895-02	1568-02	1885-02	1.172	8.705	542.8
90	40000	85000	867.00	4380-01	3630-01	4420-01	1519-02	1259-02	1535-02	.9500	7.205	535.7
90	40000	90000	868.00	3420-01	2840-01	3510-01	1188-02	9858-03	1218-02	.7480	6.449	531.4
90	40000	95000	869.00	2810-01	2340-01	2900-01	9757-03	8107-03	1007-02	.6180	5.052	527.3
90	50000	00000	871.00	5667	4549	4725	1967-01	1579-01	1640-01	10.33	81.45	635.8
90	50000	50000-01	872.00	3362	2747	3177	1167-01	9536-02	1103-01	6.724	50.61	584.8
90	50000	10000-00	873.00	1902	1564	1852	6602-02	5428-02	6428-02	3.938	28.94	564.5
90	50000	20000	874.00	1324	1091	1306	4595-02	3786-02	4534-02	2.777	19.83	556.5
90	50000	30000	875.00	1198	9880-01	1185	4159-02	3420-02	4114-02	2.519	18.00	555.4
90	50000	40000	876.00	9820-01	8100-01	6730-01	3410-02	2811-02	3377-02	2.055	14.76	555.4
90	50000	50000	877.00	7370-01	6080-01	7300-01	2558-02	2111-02	2535-02	1.559	10.81	551.6
90	50000	60000	878.00	4040-01	3350-01	4010-01	1402-02	1163-02	1392-02	.8780	6.900	534.3
90	55000	00000	879.00	6951	5446	5679	2413-01	1891-01	1971-01	11.27	89.76	693.9
90	60000	00000	880.00	3941	3161	3284	1368-01	1097-01	1140-01	7.155	63.41	637.9
90	60000	25000-01	881.00	4674	3786	4292	1623-01	1314-01	1490-01	8.926	66.33	610.6
90	60000	50000-01	882.00	2618	2136	2481	9087-02	7413-02	8612-02	5.193	49.16	589.5
90	60000	75000-01	883.00	2573	2108	2489	8932-02	7316-02	8641-02	5.219	38.13	576.6
90	60000	10000-00	884.00	1803	1484	1764	6260-02	5153-02	6123-02	3.759	26.79	560.5
90	60000	20000	885.00	9130-01	7530-01	6030-01	3170-02	2614-02	3135-02	1.924	13.76	553.9
90	60000	30000	886.00	8410-01	6930-01	6320-01	2920-02	2406-02	2688-02	1.765	11.85	556.0
90	60000	40000	887.00	7740-01	6380-01	5640-01	2685-02	2213-02	2654-02	1.622	11.22	557.2
90	60000	50000	888.00	7550-01	6230-01	5480-01	2622-02	2162-02	2598-02	1.588	11.00	555.1
90	60000	60000	889.00	7290-01	6020-01	5230-01	2532-02	2089-02	2510-02	1.541	10.68	552.6
90	60000	85000	891.00	4390-01	3630-01	4440-01	1525-02	1261-02	1540-02	.9403	6.982	544.2
90	60000	85000	892.00	5010-01	4150-01	5080-01	1739-02	1440-02	1765-02	1.078	7.886	541.1
90	60000	90000	893.00	4140-01	3430-01	4250-01	1435-02	1190-02	1476-02	.8970	6.801	536.2
90	60000	95000	894.00	2910-01	2410-01	3000-01	1008-02	8368-03	1041-02	.6310	4.819	532.1
90	65000	00000	895.00	3357	2713	2815	1165-01	9416-02	9771-02	6.325	52.24	618.2
90	70000	00000	896.00	1525	1243	1288	5295-02	4315-02	4471-02	3.009	38.48	592.7
90	70000	25000-01	897.00	2102	1723	1934	7298-02	5982-02	6714-02	4.279	35.12	574.6
90	70000	50000-00	898.00	1720	1416	1679	5971-02	4914-02	5827-02	3.581	24.72	561.2
90	70000	20000	899.00	1380	1137	1360	4790-02	3348-02	4722-02	2.897	17.82	556.2
90	70000	30000	900.00	1168	9620-01	1157	4054-02	3341-02	4015-02	2.450	15.07	556.5
90	70000	40000	901.00	1246	1027	1234	4327-02	3564-02	4265-02	2.607	16.47	558.5
90	70000	50000	902.00	9500-01	7830-01	6410-01	3297-02	2717-02	3203-02	1.991	12.59	557.1
90	70000	60000	903.00	4830-01	3930-01	4950-01	1675-02	1386-02	1719-02	1.037	7.465	541.6
90	75000	00000	904.00	2897	2336	2451	1006-01	8214-02	8008-02	5.779	45.02	586.4
90	75000	25000-01	905.00	3055	3055	3442	1308-01	8539-02	1195-01	7.226	53.68	608.6
90	75000	50000-01	906.00	3001	2460	2668	1042-01	8539-02	9955-02	6.104	44.63	575.1
90	75000	10000-00	907.00	2208	1815	2154	7664-02	6300-02	7478-02	4.564	31.43	565.5

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(RVIL02)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
90	75000	20000	906.00	.1785	.1467	.1760	.6196-02	.5093-02	.6111-02	3.688	25.40	565.7
90	75000	30000	909.00	.1693	.1394	.1613	.5877-02	.4837-02	.5909-02	3.528	22.27	560.6
90	75000	40000	910.00	.1140	.9390-01	.1128	.3958-02	.3259-02	.3915-02	2.381	15.48	559.4
90	75000	60000	911.00	.1058	.8720-01	.1049	.3673-02	.3026-02	.3640-02	2.215	14.85	557.8
90	75000	80000	912.00	.6130-01	.5060-01	.6190-01	.2127-02	.1755-02	.2148-02	1.297	10.66	551.1
90	75000	90000	913.00	.4830-01	.4050-01	.5020-01	.1404-02	.1404-02	.1741-02	1.049	7.670	542.7
90	75000	95000	914.00	.3580-01	.2960-01	.3590-01	.1243-02	.1029-02	.1282-02	.720	5.841	539.8
90	80000	10000	915.00	.3539	.2857	.2965	.1228-01	.9918-02	.1029-01	6.643	59.38	620.2
90	80000	20000	916.00	.1551	.1278	.1531	.5385-02	.4438-02	.5314-02	3.254	22.51	556.6
90	80000	40000	917.00	.2356	.2337	.2320	.9915-02	.8111-02	.9791-02	5.751	40.57	580.9
90	80000	60000	918.00	.5910-01	.4890-01	.6060-01	.2053-02	.1697-02	.2105-02	1.262	9.20F	546.3
90	80000	80000	919.00	.4229	.3414	.3543	.1468-01	.1185-01	.1230-01	7.927	60.71	621.0
90	80000	10000	920.00	.1548	.1275	.1524	.5374-02	.4426-02	.5292-02	3.235	23.08	559.0
90	85000	20000	921.00	.1481	.1219	.1462	.5141-02	.4232-02	.5074-02	3.087	22.74	560.5
90	90000	40000	922.00	.2483	.2026	.2399	.8521-02	.7033-02	.7287-02	4.928	38.33	589.4
90	90000	60000	923.00	.2189	.1799	.2143	.7600-02	.6245-02	.7440-02	4.519	33.15	566.4
90	90000	80000	924.00	.1587	.1306	.1559	.5510-02	.4533-02	.5413-02	3.297	23.48	562.5
90	90000	10000	925.00	.1408	.1159	.1348	.4687-02	.4024-02	.4817-02	2.939	20.96	559.5
90	90000	20000	926.00	.1140	.9390-01	.1126	.3956-02	.3259-02	.3908-02	2.384	17.01	562.4
90	90000	40000	927.00	.1424	.1171	.1435	.4942-02	.4066-02	.4983-02	2.958	22.91	562.4
90	90000	60000	928.00	.1148	.9700-01	.1180	.3966-02	.3266-02	.4097-02	2.412	19.08	555.9
90	90000	80000	929.00	.1437	.1183	.1224	.4990-02	.4108-02	.4250-02	2.997	22.08	560.2
90	95000	10000	930.00	.1852	.1521	.1775	.6429-02	.5281-02	.6160-02	3.814	27.09	567.6
90	95000	20000	931.00	.1759	.1455	.1723	.6142-02	.5049-02	.5980-02	3.661	26.90	564.9
90	95000	40000	932.00	.1609	.1372	.1642	.5789-02	.4762-02	.5700-02	3.464	23.90	562.5
90	95000	60000	933.00	.1462	.1203	.1443	.5077-02	.4177-02	.5009-02	3.039	21.64	562.3
90	95000	80000	934.00	.1010	.8320-01	.9390-01	.3506-02	.2668-02	.3469-02	2.112	15.57	558.7
90	95000	10000	935.00	.8590-01	.7080-01	.8570-01	.2392-02	.2458-02	.2975-02	1.803	13.53	556.3
90	95000	20000	936.00	.6510-01	.7110-01	.8700-01	.2329-02	.2467-02	.3032-02	1.820	13.46	552.0
90	95000	40000	937.00	.6180-01	.5110-01	.6340-01	.2146-02	.1773-02	.2202-02	1.317	9.927	547.3

AEUC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 25.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
70	7.990	2.527	25.08	.0000	180.0	546.9	.5600-01	1294.	94.00	2.524	3796.	.5040-04
71	7.990	2.486	25.01	.0000	180.0	547.1	.5600-01	1309.	95.10	2.525	3817.	.4985-04
72	7.990	2.486	25.03	.0000	180.0	548.3	.5700-01	1311.	95.20	2.530	3820.	.4988-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =
70	7.569-07	.3899-01	0.0175
71	7.555-07	.3907-01	.2567-01
72	7.666-07	.3912-01	.2584-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (-A4)	H(9T0) BTU/ R FT2SEC	H(10I) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
72	.30000	.00000	845.00	.3850-01	.3190-01	.3290-01	.1506-02	.1247-02	.1288-02	.9510	10.56	548.6
72	.30000	.50000-01	846.00	.1140	.9370-01	.1095	.4461-02	.3664-02	.4285-02	2.689	29.45	577.3
72	.30000	.10000-00	847.00	.9960-01	.8200-01	.9630-01	.3897-02	.3210-02	.3766-02	2.387	20.21	567.4
72	.30000	.20000	848.00	.9190-01	.7580-01	.8970-01	.3595-02	.2965-02	.3508-02	2.821	15.81	562.1
72	.30000	.40000	850.00	.4810-01	.3970-01	.4740-01	.1864-02	.1554-02	.1853-02	1.165	8.298	561.6
72	.30000	.50000	851.00	.3690-01	.3040-01	.3650-01	.1442-02	.1190-02	.1430-02	.8910	6.559	562.0
72	.30000	.60000	852.00	.3820-01	.3160-01	.3790-01	.1495-02	.1234-02	.1482-02	.9260	5.819	560.9
72	.30000	.70000	853.00	.3670-01	.3030-01	.3640-01	.1435-02	.1185-02	.1424-02	.8910	6.358	558.7
72	.30000	.80000	854.00	.4310-01	.3560-01	.4300-01	.1687-02	.1393-02	.1683-02	1.051	7.750	557.1
72	.30000	.90000	855.00	.3030-01	.2510-01	.3080-01	.1184-02	.9824-03	.1207-02	.7560	5.325	541.9
72	.30000	.95000	856.00	.2640-01	.2190-01	.2710-01	.1032-02	.8572-03	.1061-02	.6630	4.779	537.8
72	.35000	.00000	857.00	.5370-01	.7730-01	.7990-01	.3667-02	.3024-02	.3127-02	2.261	19.18	563.4
72	.40000	.00000	858.00	.1871	.1525	.1580	.7319-02	.5565-02	.6181-02	4.227	41.58	602.4
72	.40000	.50000-01	859.00	.3440	.2800	.3228	.1346-01	.1095-01	.1263-01	7.719	53.78	606.4
72	.40000	.10000-00	860.00	.2105	.1725	.2031	.8236-02	.6748-02	.7946-02	4.895	34.45	585.6
72	.40000	.20000	861.00	.1054	.8680-01	.1039	.4124-02	.3394-02	.4061-02	2.515	18.43	570.2
72	.40000	.30000	862.00	.7930-01	.6530-01	.7850-01	.3101-02	.2554-02	.3073-02	1.897	13.47	568.3

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (1AW)	H(ISTO) BTU/ R FT2SEC	H(UTO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
72	40000	40000	863.00	6110-01	5040-01	6360-01	2392-02	1971-02	2371-02	1.469	11.17	565.5
72	40000	60000	864.00	5800-01	4790-01	5740-01	2270-02	1873-02	2245-02	1.406	9.409	560.7
72	40000	70000	865.00	6250-01	5160-01	6100-01	2443-02	2017-02	2421-02	1.515	10.15	559.8
72	40000	75000	866.00	5230-01	4320-01	5310-01	2048-02	1692-02	2037-02	1.275	9.403	557.4
72	40000	85000	867.00	4230-01	3500-01	4270-01	1655-02	1370-02	1672-02	1.043	7.857	549.5
72	40000	90000	868.00	3460-01	2870-01	3350-01	1354-02	1122-02	1389-02	.8580	7.344	546.1
72	40000	95000	869.00	2840-01	2350-01	2330-01	1109-02	9201-03	1145-02	.7070	5.733	542.5
72	50000	00000	871.00	5463	4347	4321	2137-01	1700-01	1769-01	10.91	84.62	669.5
72	50000	10000-01	872.00	3405	2768	3214	1332-01	1083-01	1257-01	7.588	56.40	610.3
72	50000	10000+00	873.00	1945	1594	1393	7609-02	6236-02	7405-02	4.532	32.98	584.3
72	50000	20000	874.00	1339	1101	1321	5237-02	4307-02	5168-02	3.177	22.50	573.3
72	50000	30000	875.00	1193	9870-01	1186	4692-02	3861-02	4641-02	2.857	20.25	571.1
72	50000	40000	876.00	9830-01	8100-01	9740-01	3947-02	3168-02	3809-02	2.353	16.71	568.2
72	50000	50000	877.00	7546-01	6210-01	7470-01	2950-02	2431-02	2924-02	1.812	12.48	565.6
72	50000	60000	878.00	4300-01	3560-01	4270-01	1681-02	1392-02	1669-02	1.061	8.274	548.7
72	55000	00000	879.00	6329	4892	5111	2476-01	1914-01	2000-01	11.05	86.42	733.6
72	60000	00000	880.00	3799	3021	3142	1486-01	1182-01	1229-01	7.568	66.02	670.8
72	60000	25000-01	881.00	4568	3673	4182	1787-01	1437-01	1636-01	9.612	70.36	642.1
72	50000	50000-01	882.00	2647	2146	2504	1035-01	8397-02	9798-02	5.825	54.41	617.4
72	60000	75000-01	883.00	2555	2082	2470	9995-02	8146-02	9663-02	5.774	41.66	602.2
72	60000	10000+00	884.00	1804	1479	1764	7059-02	5787-02	6902-02	4.211	29.67	583.4
72	60000	20000	885.00	9060-01	7460-01	8360-01	3544-02	2917-02	3505-02	2.161	15.33	570.1
72	60000	30000	886.00	8330-01	6850-01	8230-01	3257-02	2680-02	3222-02	1.983	13.21	571.0
72	60000	40000	887.00	7500-01	6180-01	7410-01	2936-02	2416-02	2901-02	1.791	12.30	570.0
72	60000	50000	888.00	7650-01	6300-01	7580-01	2992-02	2463-02	2965-02	1.827	12.56	569.4
72	60000	60000	889.00	7470-01	6160-01	7410-01	2923-02	2408-02	2898-02	1.792	12.33	566.9
72	60000	80000	891.00	4920-01	4060-01	4370-01	1923-02	1589-02	1943-02	1.199	8.846	556.5
72	60000	85000	892.00	5270-01	4360-01	5350-01	2061-02	1704-02	2092-02	1.291	9.389	553.3
72	60000	90000	893.00	4260-01	3520-01	4380-01	1666-02	1379-02	1713-02	1.050	7.911	549.4
72	60000	95000	894.00	3090-01	2550-01	3180-01	1205-02	9988-03	1245-02	.7650	5.774	545.1
72	65000	00000	895.00	3236	2600	2700	1266-01	1017-01	1056-01	6.791	55.41	643.4
72	70000	00000	896.00	1541	1251	1257	6029-02	4896-02	5075-02	3.415	43.24	613.4
72	70000	25000-01	897.00	2132	1742	1359	8342-02	6813-02	7663-02	4.876	44.11	595.4
72	70000	10000+00	898.00	1885	1545	1339	7375-02	6045-02	7194-02	4.397	30.01	583.8
72	70000	20000	899.00	1434	1228	1186	5845-02	4804-02	5762-02	3.534	21.53	575.4
72	70000	30000	900.00	1198	9860-01	1173	4685-02	3856-02	4641-02	2.853	17.42	571.0
72	70000	40000	901.00	1289	1060	1276	5042-02	4146-02	4993-02	3.059	19.18	573.4
72	70000	60000	902.00	1054	8670-01	1345	4124-02	3393-02	4068-02	2.508	15.74	571.9
72	70000	90000	903.00	6900-01	5710-01	7390-01	2701-02	2232-02	2772-02	1.687	12.05	555.4
72	75000	00000	904.00	2683	2182	2262	1050-01	8538-02	8849-02	5.997	46.21	608.6
72	75000	25000-01	905.00	3706	2991	3379	1450-01	1170-01	1222-01	7.948	60.55	631.8
72	75000	50000-01	906.00	3098	2531	2358	1212-01	9902-02	1157-01	7.094	51.36	594.6
72	75000	10000+00	907.00	2549	2088	2487	9973-02	8169-02	9728-02	5.919	40.34	586.5

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19TO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TM DEG. R
72	75000	20000	908.00	.2729	.2228	.1690	.1068-01	.8716-02	.1052-01	6.224	42.21	536.9
72	75000	30000	909.00	.2230	.1829	.1620	.8726-02	.7155-02	.8625-02	5.209	32.52	582.9
72	75000	40000	910.00	.1128	.1128	.1357	.5369-02	.4412-02	.5310-02	3.247	20.95	575.1
72	75000	60000	911.00	.1139	.9370-01	.1129	.4454-02	.3666-02	.4415-02	2.715	18.06	570.5
72	75000	80000	912.00	.7210-01	.5940-01	.7280-01	.2819-02	.2323-02	.2847-02	1.733	10.60	565.2
72	75000	90000	913.00	.5960-01	.4930-01	.6120-01	.2333-02	.1928-02	.2394-02	1.459	10.60	554.6
72	75000	95000	914.00	.4220-01	.3490-01	.4360-01	.1652-02	.1367-02	.1705-02	1.038	7.813	551.5
72	80000	00000	915.00	.3465	.2783	.2891	.1356-01	.1089-01	.1131-01	7.254	64.07	644.9
72	80000	20000	916.00	.1867	.1534	.1842	.7304-02	.6001-02	.7208-02	4.409	30.20	576.3
72	80000	40000	917.00	.3290	.2681	.32.3	.2971-02	.2452-02	.3047-02	1.841	51.82	603.0
72	80000	60000	918.00	.7590-01	.6270-01	.7790-01	.2971-02	.2452-02	.3047-02	1.841	51.82	603.0
72	85000	00000	919.00	.4090	.3284	.3411	.1600-01	.1285-01	.1334-01	8.551	64.72	645.5
72	85000	20000	920.00	.1527	.1256	.1504	.5976-02	.4913-02	.5884-02	3.622	25.64	584.0
72	85000	40000	921.00	.2060	.1683	.2032	.8058-02	.6605-02	.7950-02	4.802	34.95	573.8
72	90000	00000	922.00	.2409	.1961	.2032	.9425-02	.7670-02	.7949-02	5.401	41.65	606.9
72	90000	10000+00	923.00	.2205	.1809	.2158	.8226-02	.7076-02	.8444-02	5.165	37.65	581.1
72	90000	20000	924.00	.1606	.1319	.1578	.6282-02	.5162-02	.6172-02	3.795	26.84	575.8
72	90000	30000	925.00	.1452	.1194	.1431	.5881-02	.4673-02	.5600-02	3.453	24.47	572.1
72	90000	50000	926.00	.1344	.1106	.1328	.5259-02	.426-02	.5196-02	3.198	22.66	571.9
72	90000	80000	927.00	.1588	.1304	.1601	.6211-02	.5101-02	.6264-02	3.743	28.77	577.4
72	90000	90000	928.00	.1258	.1036	.1294	.4823-02	.4053-02	.5061-02	3.006	23.62	569.3
72	95000	00000	929.00	.1417	.1165	.1206	.5543-02	.4550-02	.4717-02	3.368	24.66	572.4
72	95000	50000-01	930.00	.1849	.1517	.1771	.7232-02	.5933-02	.6929-02	4.331	30.55	581.1
72	95000	10000+00	931.00	.1777	.1459	.1730	.6952-02	.5708-02	.6768-02	4.184	30.54	578.1
72	95000	20000	932.00	.1588	.1305	.1563	.6211-02	.5105-02	.6116-02	3.757	25.75	575.1
72	95000	30000	933.00	.1480	.1217	.1461	.5790-02	.4759-02	.5714-02	3.505	24.80	574.7
72	95000	50000	934.00	.1033	.8260-01	.9970-01	.3934-02	.3232-02	.3882-02	2.401	17.62	568.1
72	95000	70000	935.00	.1003	.8660-01	.1001	.3925-02	.3232-02	.3916-02	2.403	17.94	567.6
72	95000	80000	936.00	.1111	.9160-01	.1127	.4347-02	.3583-02	.4411-02	2.674	19.65	564.8
72	95000	90600	937.00	.8650-01	.7130-01	.8680-01	.3383-02	.2791-02	.3474-02	2.090	15.64	562.2

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1102)

LOWER WING

PARAMETRIC DATA

ALPHA = 25.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
49	7.990	2.979	25.04	.0000	180.0	673.5	7000-01	1333.	96.80	3.108	3852.	.6027-04
50	7.990	2.946	24.99	.0000	180.0	673.6	7000-01	1343.	97.50	3.100	3867.	.5983-04
51	7.990	2.964	25.02	.0000	180.0	674.3	7000-01	1338.	97.20	3.112	3860.	.6009-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
49	.7795-07	.4348-01		0.0175
50	.7852-07	.4354-01		.2354-01
51	.7327-07	.4354-01		.2359-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	1/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(970) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(14H) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
51	.30000	.00000	845.00	.3900-01	.3230-01	.3340-01	.1696-02	.1405-02	.1452-02	1.096	12.12	558.4
51	.30000	.50000-01	846.00	.1139	.9350-01	.1094	.4961-02	.4072-02	.4764-02	3.041	33.09	591.6
51	.30000	.10000+00	847.00	.10.8	.8380-01	.9830-01	.4431-02	.3648-02	.4282-02	2.764	23.25	580.8
51	.30000	.20000	848.00	.9240-01	.7630-01	.9020-01	.4025-02	.3321-02	.3928-02	2.543	18.02	572.7
51	.30000	.40000	850.00	.4760-01	.3930-01	.4690-01	.2074-02	.1711-02	.2041-02	1.310	9.275	573.2
51	.30000	.50000	851.00	.3980-01	.3230-01	.3940-01	.1731-02	.1428-02	.1716-02	1.093	7.995	573.5
51	.30600	.60000	852.00	.4480-01	.3700-01	.4440-01	.1951-02	.1611-02	.1934-02	1.235	9.041	571.9
51	.30000	.70000	853.00	.4750-01	.3920-01	.4720-01	.2069-02	.1708-02	.2053-02	1.311	9.296	570.8
51	.30000	.80000	854.00	.6130-01	.5060-01	.6110-01	.2658-02	.2203-02	.2662-02	1.691	12.33	570.8
51	.30000	.90000	855.00	.4470-01	.3700-01	.4550-01	.1945-02	.1613-02	.1981-02	1.266	9.205	553.5
51	.30000	.95000	856.00	.3730-01	.3700-01	.3830-01	.1623-02	.1348-02	.1668-02	1.063	7.617	549.8
51	.40000	.00000	857.00	.1937	.8540-01	.3840-01	.4510-02	.3720-02	.3847-02	2.843	23.99	574.2
51	.40000	.00000	858.00	.3468	.1577	.1634	.8433-02	.6667-02	.7116-02	4.947	48.29	618.1
51	.40000	.50000-01	859.00	.2819	.2819	.3253	.1510-01	.1227-01	.1416-01	8.781	60.68	623.1
51	.40000	.10000+00	860.00	.2249	.1578	.1977	.8922-02	.7305-02	.8607-02	5.395	59.99	599.9
51	.40000	.20000	861.00	.1059	.8720-01	.1043	.4613-02	.3796-02	.4543-02	2.870	20.90	582.5
51	.40000	.30000	862.00	.7960-01	.6560-01	.7890-01	.3467-02	.2856-02	.3436-02	2.167	15.30	579.6

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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RUN
NUMBER

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1102)

X/C

T/C NO

H/HREF
R=0.9H/HREF
R=1.01/2HREF
(TAN)H(9TO)
BTU/R
FT/SECH(10)
BTU/R
FT/SECH(11AN)
BTU/R
FT/SECQDOT
BTU/
FT/SECDTWOT
DEG. R
/SECTW
DEG. R

51 .40000 .40000 863.00 .6200-01 .5110-01 .5150-01 .2700-02 .2225-02 .2677-02 1.695 12.81 576.8
51 .40000 .60000 864.00 .5920-01 .4890-01 .5850-01 .2578-02 .2128-02 .2549-02 1.633 10.87 571.2
51 .40000 .70000 865.00 .6020-01 .5470-01 .5350-01 .2884-02 .2381-02 .2858-02 1.826 12.16 571.5
51 .40000 .75000 866.00 .5700-01 .4710-01 .5570-01 .2483-02 .2051-02 .2470-02 1.579 11.59 568.5
51 .40000 .85000 867.00 .4600-01 .3810-01 .4640-01 .2002-02 .1658-02 .2022-02 1.292 9.681 559.2
51 .40000 .90000 868.00 .3500-01 .3030-01 .3750-01 .1593-02 .1320-02 .1634-02 1.034 8.805 555.6
51 .40000 .95000 869.00 .3070-01 .2540-01 .3170-01 .1335-02 .1108-02 .1379-02 870.0 7.021 552.7
51 .50000 .00000 871.00 .5563 .4407 .4586 .1422-01 .1919-01 .1997-01 12.36 94.73 694.6
51 .50000 .00000 872.00 .3422 .2777 .3228 .1490-01 .1209-01 .1406-01 8.580 63.20 628.8
51 .50000 .00000 873.00 .1935 .1585 .1883 .8425-02 .6901-02 .8199-02 5.108 36.92 598.3
51 .50000 .20000 874.00 .1362 .1120 .1344 .5929-02 .4876-02 .5951-02 3.676 25.89 584.5
51 .50000 .30000 875.00 .1215 .1000+00 .1202 .5290-02 .4354-02 .5232-02 3.296 23.24 581.6
51 .50000 .40000 876.00 .1015 .8360-01 .1005 .4419-02 .3641-02 .4376-02 2.768 19.55 578.3
51 .50000 .60000 877.00 .7570-01 .6320-01 .7600-01 .3339-02 .2753-02 .3310-02 2.099 14.38 575.9
51 .50000 .90000 878.00 .4910-01 .4070-01 .4870-01 .2137-02 .1770-02 .2122-02 1.381 10.72 558.4
51 .55000 .00000 879.00 .6180 .4736 .4954 .2691-01 .2082-01 .2157-01 11.82 91.08 765.4
51 .60000 .00000 880.00 .3056 .3181 .3860 .1681-01 .1331-01 .1385-01 6.552 73.73 695.8
51 .60000 .25000-01 881.00 .4526 .3626 .4137 .1970-01 .1579-01 .1801-01 10.63 76.95 665.2
51 .60000 .50000-01 882.00 .2655 .2148 .2510 .1156-01 .9351-02 .1093-01 6.555 60.63 637.5
51 .60000 .75000-01 883.00 .2591 .2108 .2504 .1128-01 .9431-02 .1090-01 6.598 47.20 619.6
51 .60000 .10000+00 884.00 .1802 .1477 .1762 .7848-02 .6431-02 .7673-02 33.36 17.87 578.4
51 .60000 .20000 885.00 .9280-01 .7550-01 .9180-01 .4041-02 .3329-02 .3997-02 2.530 15.34 579.8
51 .60000 .30000 886.00 .8500-01 .7000-01 .9410-01 .3703-02 .3050-02 .3663-02 2.314 14.90 579.9
51 .60000 .40000 887.00 .8010-01 .6600-01 .7920-01 .3489-02 .2673-02 .3447-02 2.179 16.11 577.0
51 .60000 .50000 888.00 .8610-01 .7090-01 .9530-01 .3742-02 .3089-02 .3714-02 2.352 19.91 576.2
51 .60000 .60000 889.00 .1062 .8760-01 .1053 .4625-02 .3813-02 .4585-02 2.907 22.06 576.2
51 .60000 .70000 890.00 .1140 .9400-01 .1137 .4954-02 .4092-02 .4953-02 3.119 14.72 566.6
51 .60000 .80000 891.00 .7220-01 .5960-01 .7230-01 .3142-02 .2597-02 .3174-02 2.005 14.69 562.2
51 .60000 .90000 892.00 .7260-01 .6010-01 .7370-01 .3151-02 .2616-02 .3207-02 2.030 11.65 556.4
51 .60000 .95000 893.00 .5590-01 .4640-01 .5750-01 .2436-02 .2019-02 .2504-02 1.579 8.824 551.3
51 .60000 .00000 894.00 .4120-01 .3420-01 .4260-01 .1795-02 .1493-02 .1853-02 1.173 61.74 661.8
51 .65000 .00000 895.00 .3230 .2591 .2632 .1407-01 .1128-01 .1172-01 7.634 49.50 627.7
51 .70000 .00000 896.00 .1568 .1272 .1319 .6825-02 .5540-02 .5744-02 3.937 53.55 608.0
51 .70000 .25000-01 897.00 .2293 .1872 .2106 .9382-02 .8153-02 .9170-02 5.955 39.41 598.5
51 .70000 .50000 898.00 .2204 .1805 .2150 .9597-02 .7861-02 .9361-02 4.445 26.97 583.0
51 .70000 .70000 899.00 .1642 .1351 .1619 .7150-02 .5884-02 .7049-02 4.326 20.25 576.6
51 .70000 .90000 900.00 .1216 .1003 .1205 .5296-02 .4366-02 .5246-02 3.725 23.28 580.3
51 .70000 .00000 901.00 .1370 .1128 .1337 .5565-02 .4913-02 .5909-02 4.294 26.82 582.0
51 .70000 .60000 902.00 .1584 .1304 .1570 .6897-02 .5676-02 .6835-02 3.269 23.24 565.5
51 .70000 .90000 903.00 .1175 .9710-01 .1206 .5115-02 .4230-02 .5251-02 6.843 52.77 606.9
51 .75000 .00000 904.00 .2148 .2148 .2225 .1145-01 .9354-02 .9668-02 8.433 70.55 643.5
51 .75000 .25000-01 905.00 .3812 .3078 .3476 .1660-01 .1340-01 .1513-01 9.313 61.90 604.2
51 .75000 .50000-01 906.00 .3285 .2687 .3138 .1431-01 .1170-01 .1366-01 8.589

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(RVIL02)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	1/HREF (TAN)	H(910) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(1AH) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
51	75000	10000+00	907.00	.3025	.2475	.2950	.1317-01	.1078-01	.1284-01	7.942	53.73	601.6
51	75000	20000	908.00	.3428	.2798	.3380	.1493-01	.1218-01	.1472-01	8.862	59.68	610.9
51	75000	30000	909.00	.2671	.2190	.2640	.1163-01	.0937-02	.1150-01	8.089	43.99	595.1
51	75000	40000	910.00	.1796	.1477	.1777	.0822-02	.0432-02	.0737-02	4.846	31.11	585.1
51	75000	50000	911.00	.1626	.1340	.1612	.0682-02	.0333-02	.0702-02	4.426	29.35	579.6
51	75000	60000	912.00	.1463	.1206	.1478	.0369-02	.0249-02	.0433-02	3.996	32.43	577.2
51	75000	70000	913.00	.1159	.0950-01	.1189	.0044-02	.0175-02	.0175-02	3.240	23.45	562.2
51	75000	80000	914.00	.8770-01	.7270-01	.3050-01	.3820-02	.3164-02	.3940-02	2.466	18.48	559.1
51	80000	90000	915.00	.3491	.2806	.2913	.1520-01	.1222-01	.1269-01	8.328	73.14	655.7
51	80000	20000	916.00	.2362	.1940	.2731	.1029-01	.0445-02	.1015-01	6.320	42.99	590.2
51	80000	30000	917.00	.3572	.2913	.3527	.1555-01	.1268-01	.1536-01	9.207	63.95	612.6
51	85000	40000	918.00	.1425	.1177	.1462	.0607-02	.0127-02	.0666-02	3.943	28.43	569.5
51	85000	50000	919.00	.4110	.3304	.3431	.1792-01	.1438-01	.1494-01	9.812	73.87	656.4
51	85000	60000	920.00	.1631	.1345	.1607	.0703-02	.0355-02	.0696-02	4.459	31.53	576.0
51	85000	70000	921.00	.2676	.2190	.2640	.1165-01	.0933-02	.1150-01	7.016	50.61	602.5
51	90000	80000	922.00	.2441	.1991	.2063	.1063-01	.0669-02	.0980-02	6.297	48.43	582.8
51	90000	90000	923.00	.2146	.1766	.2101	.0342-02	.0687-02	.0949-02	5.809	42.31	582.8
51	90000	10000+00	924.00	.1636	.1349	.1608	.0712-02	.0572-02	.0701-02	4.470	31.60	577.1
51	90000	20000	925.00	.1441	.1189	.1421	.0274-02	.0176-02	.0186-02	3.959	28.04	573.5
51	90000	30000	926.00	.1782	.1467	.1760	.0758-02	.0388-02	.0665-02	4.844	34.19	580.2
51	90000	40000	927.00	.1794	.1489	.1799	.0766-02	.0394-02	.0782-02	4.844	37.17	580.9
51	90000	50000	928.00	.1358	.1121	.1395	.0513-02	.0482-02	.0676-02	3.750	29.45	570.4
51	95000	60000	929.00	.1405	.1160	.1199	.0616-02	.0509-02	.0520-02	3.871	28.35	571.7
51	95000	70000	930.00	.1908	.1571	.1830	.0808-02	.0638-02	.0796-02	5.173	36.47	582.0
51	95000	80000	931.00	.1774	.1461	.1727	.0722-02	.0633-02	.0752-02	4.837	35.31	578.2
51	95000	90000	932.00	.1663	.1388	.1658	.0730-02	.0645-02	.0720-02	4.615	31.64	575.0
51	95000	10000+00	933.00	.1465	.1209	.1447	.0638-02	.0525-02	.0630-02	4.025	28.49	574.0
51	95000	20000	934.00	.1016	.0840-01	.1006	.0426-02	.0358-02	.0439-02	2.824	20.74	566.5
51	95000	30000	935.00	.1362	.1123	.1359	.0529-02	.0482-02	.0516-02	3.742	27.84	573.5
51	95000	40000	936.00	.1475	.1217	.1496	.0642-02	.0530-02	.0615-02	4.065	29.77	571.6
51	95000	50000	937.00	.1049	.0680-01	.1077	.0456-02	.0378-02	.0468-02	2.931	21.92	563.1

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AEDC VKF V41D-57A (OH-49B) COLLATION DECK

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(RVILU2)

LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

PARAMETRIC DATA

ALPHA = 25.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BDFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
31	8.000	3.352	25.05	.0000	180.0	739.2	.7800-01	1332.	96.50	3.484	3851.	.6762-04
32	8.000	3.329	25.07	.0000	180.0	731.1	.7800-01	1340.	97.10	3.492	3862.	.6737-04
33	8.000	3.291	25.04	.0000	180.0	733.8	.7800-01	1349.	97.70	3.486	3875.	.6681-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
31	.7768-07		0.0175
32	.7816-07		.2222-01
33	.7868-07		.2228-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (.AW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
33	.30000	.50000-01	846.00	.1137	.9340-01	.1092	.5248-02	.4309-02	.5040-02	3.248	35.27	594.8
33	.30000	.10000+00	847.00	.1019	.8400-01	.3850-01	.4704-02	.3875-02	.4546-02	2.967	24.93	583.0
33	.30000	.20000	848.00	.9240-01	.7630-01	.3020-01	.4266-02	.3522-02	.4163-02	2.723	19.26	575.5
33	.30000	.40000	850.00	.4690-01	.3870-01	.4620-01	.2166-02	.1787-02	.2131-02	1.379	9.745	577.2
33	.30000	.50000	851.00	.4130-01	.3410-01	.4090-01	.1906-02	.1573-02	.1889-02	1.213	8.861	577.1
33	.30000	.60000	852.00	.4960-01	.4090-01	.4910-01	.2288-02	.1889-02	.2267-02	1.457	10.64	576.8
33	.30000	.70000	853.00	.6280-01	.5180-01	.5230-01	.2693-02	.2392-02	.2876-02	.847	13.06	575.2
33	.30000	.80000	854.00	.5930-01	.7370-01	.5910-01	.4121-02	.3402-02	.4111-02	2.631	19.04	575.3
33	.30000	.90000	855.00	.6010-01	.4990-01	.3120-01	.2772-02	.2302-02	.2824-02	1.828	13.29	554.3
33	.30000	.95000	856.00	.5170-01	.4300-01	.3310-01	.2385-02	.1963-02	.2451-02	1.586	11.37	548.9
33	.35000	.00000	857.00	.8200-01	.6760-01	.5990-01	.3784-02	.3121-02	.3268-02	2.404	20.24	578.5
33	.40000	.00000	858.00	.1894	.1540	.1596	.8739-02	.7108-02	.7367-02	5.134	49.92	626.2
33	.40000	.50000-01	859.00	.3459	.2808	.3243	.1597-01	.1296-01	.1497-01	9.286	63.89	632.1
33	.40000	.10000+00	860.00	.2096	.1715	.2021	.9672-02	.7915-02	.9329-02	5.874	40.92	606.4
33	.40000	.20000	861.00	.1055	.8680-01	.1039	.4871-02	.4008-02	.4796-02	3.051	22.17	587.4
33	.40000	.30000	862.00	.7950-01	.6550-01	.7880-01	.7670-02	.3023-02	.3637-02	2.311	15.28	584.2
33	.40000	.40000	863.00	.6260-01	.5160-01	.5210-01	.2691-02	.2383-02	.2666-02	1.823	13.80	580.9

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(RVIL02)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(9TO) BTU/ R FT/SEC	H(1TO) BTU/ R FT/SEC	H(TAM) BTU/ R FT/SEC	QOOT BTU/SEC	DTWOT DEG. R	TM DEG. R
33	40000	60000	864.00	.6610-01	.5460-01	.6540-01	.3052-02	.2520-02	.3017-02	1.949	12.96	575.0
33	40000	70000	865.00	.7930-01	.6550-01	.7860-01	.3662-02	.3023-02	.3629-02	2.339	15.54	575.1
33	40000	75000	866.00	.6860-01	.5670-01	.6830-01	.3167-02	.2617-02	.3150-02	2.034	14.90	571.3
33	40000	85000	867.00	.5630-01	.4670-01	.5690-01	.2598-02	.2154-02	.2624-02	1.699	12.73	559.7
33	40000	90000	868.00	.4670-01	.3880-01	.4790-01	.2157-02	.1790-02	.2212-02	1.420	12.10	555.4
33	40000	95000	869.00	.4020-01	.3340-01	.4150-01	.1854-02	.1540-02	.1914-02	1.229	9.918	551.0
33	50000	00000	871.00	.5394	.4260	.4436	.2490-01	.1966-01	.2047-01	12.60	96.04	707.6
33	50000	50000-01	872.00	.3483	.2822	.3284	.1607-01	.1302-01	.1515-01	9.264	67.96	637.3
33	50000	10000+00	873.00	.1517	.1244	.1477	.7002-02	.5743-02	.6815-02	4.309	31.15	598.3
33	50000	20000	874.00	.1398	.1149	.1379	.6450-02	.5305-02	.6364-02	4.029	28.31	589.0
33	50000	30000	875.00	.1257	.1035	.143	.5801-02	.4776-02	.5737-02	3.645	25.66	585.4
33	50000	40000	876.00	.1043	.8600-01	.1033	.4815-02	.3969-02	.4768-02	3.044	21.47	581.6
33	50000	50000	877.00	.8420-01	.6950-01	.8350-01	.3886-02	.3207-02	.3852-02	2.476	16.96	576.5
33	50000	60000	878.00	.5690-01	.4720-01	.5650-01	.2625-02	.2178-02	.2608-02	1.723	13.38	557.5
33	50000	70000	879.00	.6029	.4593	.4809	.2782-01	.2120-01	.2219-01	12.00	91.81	782.3
33	50000	80000	880.00	.3643	.2875	.2994	.1681-01	.1327-01	.1382-01	8.489	72.74	708.4
33	50000	881.00	881.00	.4516	.3609	.4723	.2084-01	.1666-01	.1903-01	11.18	80.49	677.4
33	50000	882.00	882.00	.2635	.2491	.2491	.1216-01	.9824-02	.1150-01	6.892	63.45	647.1
33	50000	883.00	883.00	.2570	.2089	.2483	.1186-01	.9642-02	.1146-01	6.957	49.58	627.1
33	50000	884.00	884.00	.1847	.1514	.1806	.8526-02	.5985-02	.8335-02	5.213	36.39	502.3
33	50000	885.00	885.00	.9620-01	.7930-01	.9510-01	.4439-02	.3658-02	.4390-02	2.806	15.79	581.5
33	50000	886.00	886.00	.9600-01	.7030-01	.8510-01	.3907-02	.3220-02	.3860-02	2.510	16.64	581.6
33	50000	887.00	887.00	.8470-01	.6990-01	.8360-01	.6166-02	.5027-02	.3925-02	2.470	16.88	581.6
33	50000	888.00	888.00	.1336	.1101	.1324	.9027-02	.7427-02	.6109-02	3.890	26.56	582.8
33	50000	889.00	889.00	.1956	.1609	.1939	.9324-02	.7672-02	.8948-02	5.651	38.47	587.4
33	50000	890.00	890.00	.2020	.1662	.2016	.5639-02	.4663-02	.5697-02	3.631	26.62	569.8
33	50000	891.00	891.00	.1222	.1010	.1234	.5253-02	.4350-02	.5330-02	3.413	24.68	563.9
33	50000	892.00	892.00	.1138	.9430-01	.1155	.4104-02	.3405-02	.4218-02	2.695	20.22	557.0
33	50000	893.00	893.00	.6890-01	.7380-01	.9140-01	.3122-02	.2594-02	.3222-02	2.059	15.58	550.8
33	50000	894.00	894.00	.6760-01	.5620-01	.6380-01	.1459-01	.1169-01	.1214-01	7.925	63.83	670.4
33	50000	895.00	895.00	.3161	.2532	.2631	.7339-02	.5937-02	.6169-02	4.254	53.29	635.6
33	50000	896.00	896.00	.1594	.1293	.1341	.1148-01	.9366-02	.1119-01	6.952	61.27	616.0
33	50000	897.00	897.00	.2480	.2023	.2277	.7945-02	.6539-02	.7833-02	4.979	46.89	607.9
33	50000	898.00	898.00	.2487	.2034	.2425	.5091-02	.5023-02	.6033-02	3.863	30.16	587.1
33	50000	899.00	899.00	.1722	.1417	.1697	.7264-02	.5982-02	.7194-02	3.571	23.48	579.6
33	50000	900.00	900.00	.1320	.1088	.1307	.1075-01	.8829-02	.1065-01	4.571	28.51	584.4
33	50000	901.00	901.00	.1296	.1296	.1559	.6584-02	.5446-02	.1056-01	5.674	41.46	592.7
33	50000	902.00	902.00	.2328	.1913	.2308	.1292-01	.1056-01	.1094-01	7.812	60.18	609.1
33	50000	903.00	903.00	.1427	.1187	.1404	.1805-01	.1456-01	.1645-01	10.15	76.59	651.6
33	50000	904.00	904.00	.2800	.2289	.2371	.1649-01	.1347-01	.1575-01	9.911	71.13	612.8
33	50000	905.00	905.00	.3912	.3155	.3565	.1649-01	.1346-01	.1667-01	9.868	66.32	615.2
33	50000	906.00	906.00	.3573	.2919	.3412						
33	50000	907.00	907.00	.3573	.2916	.3483						

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OH-49B (AEDC V41B-57A) CRITER LOWER WING

(RVIL02)

RUN NUMBER	2) B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ P FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
33	.75000	.20000	908.00	.3785	.3084	.3731	.1747-01	.1423-01	.1722-01	10.57	69.50	620.3
33	.75000	.30000	909.00	.2921	.2392	.2886	.1348-01	.1104-01	.1332-01	10.57	50.79	603.9
33	.75000	.40000	910.00	.2115	.1738	.2092	.9763-02	.8021-02	.9655-02	6.060	38.75	593.0
33	.75000	.60000	911.00	.2588	.2126	.2565	.1194-01	.9812-02	.1184-01	7.412	48.83	593.1
33	.75000	.80000	912.00	.1888	.1555	.1907	.8714-02	.7177-02	.8802-02	5.488	44.39	583.9
33	.75000	.90000	913.00	.1452	.1202	.1485	.6700-02	.5546-02	.6872-02	4.345	31.41	565.1
33	.75000	.95000	914.00	.1092	.9050-01	.1127	.5041-02	.4178-02	.5199-02	3.288	24.62	561.5
33	.80000	.00000	915.00	.3483	.2801	.2909	.1610-01	.1293-01	.1342-01	8.841	77.35	664.6
33	.80000	.20000	916.00	.2912	.2385	.2673	.1344-01	.1101-01	.1326-01	8.203	55.45	603.4
33	.80000	.40000	917.00	.3821	.3114	.3773	.1764-01	.1437-01	.1741-01	10.48	72.53	619.6
33	.80000	.60000	918.00	.1694	.1399	.1737	.7817-02	.6459-02	.8016-02	5.011	36.08	572.6
33	.80000	.80000	919.00	.4057	.3258	.3384	.1872-01	.1504-01	.1562-01	10.11	77.28	663.7
33	.85000	.20000	920.00	.1834	.1512	.1806	.8465-02	.6978-02	.8336-02	5.356	37.79	581.0
33	.85000	.40000	921.00	.3035	.2455	.2964	.1387-01	.1133-01	.1368-01	8.339	59.85	612.6
33	.85000	.60000	922.00	.2414	.1970	.2041	.1114-01	.9092-02	.9418-02	6.607	51.21	615.2
33	.90000	.00000	923.00	.2178	.1793	.2133	.1005-01	.8276-02	.9842-02	6.322	46.00	584.7
33	.90000	.20000	924.00	.1626	.1341	.1598	.7505-02	.6191-02	.7376-02	4.768	33.68	578.5
33	.90000	.40000	925.00	.1485	.1226	.1464	.6852-02	.5657-02	.6756-02	4.373	30.94	575.5
33	.90000	.60000	926.00	.2341	.1923	.2312	.1080-01	.8875-02	.1067-01	6.711	47.07	592.5
33	.90000	.80000	927.00	.1844	.1520	.1860	.6511-02	.7015-02	.8582-02	5.385	41.32	581.0
33	.90000	.90000	928.00	.1406	.1163	.1445	.6491-02	.5366-02	.6669-02	4.177	32.80	570.3
33	.95000	.00000	929.00	.1400	.1157	.1196	.6462-02	.5341-02	.5522-02	4.151	30.41	571.3
33	.95000	.20000	930.00	.1892	.1559	.1815	.8733-02	.7195-02	.3375-02	5.511	38.84	582.7
33	.95000	.40000	931.00	.1769	.1459	.1723	.8164-02	.6733-02	.7952-02	5.183	37.82	578.9
33	.95000	.60000	932.00	.1713	.1414	.1687	.7905-02	.6525-02	.7786-02	5.040	34.53	576.2
33	.95000	.80000	933.00	.1477	.1220	.1458	.6817-02	.5628-02	.6729-02	4.353	30.80	575.3
33	.95000	.90000	934.00	.1057	.8750-01	.1046	.4878-02	.4037-02	.4827-02	3.157	23.18	566.5
33	.95000	.00000	935.00	.1679	.1385	.1676	.7750-02	.6391-02	.7733-02	4.913	36.44	579.8
33	.95000	.20000	936.00	.1684	.1391	.1709	.7773-02	.6419-02	.7686-02	4.967	36.32	574.8
33	.95000	.40000	937.00	.1122	.9300-01	.1151	.5179-02	.4290-02	.5314-02	3.373	25.24	562.3

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1102)

LOWER WING

PARAMETRIC DATA

ALPHA = 25.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
4	8.000	3.773	25.05	.0000	180.0	862.8	.8800-01	1340.	97.10	3.959	3863.	.7636-04
5	8.000	3.783	25.05	.0000	180.0	861.5	.8800-01	1336.	96.80	3.953	3858.	.7645-04
6	8.000	3.773	25.04	.0000	180.0	863.7	.8800-01	1341.	97.20	3.964	3864.	.7639-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =
4	.7818-07	.4913-01	0.0175
5	.7797-07	.4907-01	.2092-01
6	.7823-07	.4916-01	.2092-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H.3TO BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
6	.30000	.00000	845.00	.3840-01	.3180-01	.3290-01	.1687-02	.1564-02	.1616-02	1.223	13.53	558.6
6	.30000	.50000-01	846.00	.1123	.9210-01	.1079	.5523-02	.4527-02	.5302-02	3.367	36.53	597.1
6	.30000	.10000+00	847.00	.9580-01	.7880-01	.9260-01	.4711-02	.3875-02	.4552-02	2.929	24.59	585.1
6	.30000	.20000	848.00	.9200-01	.7590-01	.8980-01	.4523-02	.3730-02	.4413-02	2.854	20.18	575.9
6	.30000	.40000	850.00	.4750-01	.3920-01	.4670-01	.2335-02	.1925-02	.2297-02	1.470	10.39	577.2
6	.30000	.50000	851.00	.4800-01	.3950-01	.4750-01	.2358-02	.1943-02	.2337-02	1.482	10.82	578.3
6	.30000	.60000	852.00	.6910-01	.5690-01	.7850-01	.3397-02	.2799-02	.3366-02	2.132	15.55	579.2
6	.30000	.70000	853.00	.1063	.8260-01	.9950-01	.4931-02	.4063-02	.4893-02	3.092	21.83	579.8
6	.30000	.80000	854.00	.1363	.1122	.1359	.6688-02	.5514-02	.6683-02	4.181	30.45	582.6
6	.30000	.90000	855.00	.8050-01	.6670-01	.8200-01	.3957-02	.3277-02	.4033-02	2.556	18.51	560.9
6	.30000	.95000	856.00	.6900-01	.5720-01	.7930-01	.3391-02	.2811-02	.3486-02	2.201	15.71	557.6
6	.35000	.00000	857.00	.9540-01	.7870-01	.8140-01	.4682-02	.3868-02	.4000-02	2.952	24.87	577.6
6	.40000	.00000	858.00	.1910	.1550	.1608	.9388-02	.7622-02	.7902-02	5.433	52.78	628.1
6	.40000	.50000-01	859.00	.3430	.2779	.3214	.1686-01	.1366-01	.1580-01	9.644	66.26	634.9
6	.40000	.10000+00	860.00	.2096	.1713	.2021	.1031-01	.8419-02	.9936-02	6.166	42.91	608.5
6	.40000	.20000	861.00	.1057	.8690-01	.1041	.5196-02	.4270-02	.5116-02	3.211	23.32	588.8
6	.40000	.30000	862.00	.8160-01	.6710-01	.8080-01	.4011-02	.3300-02	.3974-02	2.497	17.53	584.4

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E

AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAW)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
6	.40000	.40000	863.00	.6550-01	.5470-01	.6590-01	.3270-02	.2691-02	.3241-02	2.039	15.36	583.3
6	.40000	.60000	864.00	.8620-01	.7100-01	.8920-01	.4237-02	.3493-02	.4189-02	2.667	17.71	577.2
6	.40000	.70000	865.00	.1022	.8420-01	.1013	.5024-02	.4141-02	.4978-02	3.159	20.97	578.0
6	.40000	.75000	866.00	.8530-01	.7040-01	.8490-01	.4153-02	.3460-02	.4171-02	2.552	19.39	574.4
6	.40000	.85000	867.00	.6970-01	.5770-01	.7040-01	.3426-02	.2834-02	.3461-02	2.200	16.45	564.5
6	.40000	.90000	868.00	.5720-01	.4730-01	.5860-01	.2309-02	.2327-02	.2883-02	1.815	15.42	560.7
6	.40000	.95000	869.00	.5840-01	.4590-01	.5720-01	.2725-02	.2258-02	.2814-02	1.766	14.21	558.5
6	.50000	.00000	871.00	.5316	.4175	.4351	.2613-01	.2052-01	.2139-01	12.83	97.36	716.0
6	.50000	.50000-01	872.00	.3458	.2794	.3258	.1700-01	.1373-01	.1601-01	9.581	70.09	643.2
6	.50000	.10000+00	873.00	.1140-01	.9500-02	.1110-01	.5597-03	.4660-03	.5460-03	3.730	2.774	540.6
6	.50000	.20000	874.00	.1470	.1207	.1451	.7227-02	.5932-02	.7131-02	4.439	31.13	592.7
6	.50000	.30000	875.00	.1299	.1067	.1285	.6385-02	.5247-02	.6315-02	3.947	27.74	588.7
6	.50000	.40000	876.00	.1083	.8910-01	.1073	.5325-02	.4380-02	.5272-02	3.307	23.28	585.7
6	.50000	.60000	877.00	.9230-01	.7640-01	.9190-01	.4560-02	.3755-02	.4520-02	2.851	19.48	581.6
6	.50000	.90000	878.00	.7190-01	.5950-01	.7140-01	.3534-02	.2924-02	.3510-02	2.271	17.58	564.1
6	.55000	.00000	879.00	.5955	.4509	.4737	.2932-01	.2217-01	.2324-01	12.18	92.76	791.4
6	.60000	.00000	880.00	.3597	.2821	.2941	.1768-01	.1387-01	.1446-01	8.617	73.47	719.5
6	.60000	.25000-01	881.00	.4462	.3547	.4055	.2194-01	.1744-01	.1998-01	11.39	81.63	687.3
6	.60000	.50000-01	882.00	.2642	.2125	.2494	.1299-01	.1045-01	.1226-01	7.159	65.64	655.7
6	.60000	.75000-01	883.00	.2575	.2086	.2486	.1266-01	.1025-01	.1222-01	7.243	51.44	634.5
6	.60000	.10000+00	884.00	.1868	.1525	.1826	.9184-02	.7503-02	.8975-02	5.998	38.27	608.1
6	.60000	.20020	885.00	.9750-01	.8020-01	.9640-01	.4793-02	.3942-02	.4740-02	2.976	20.95	585.8
6	.60000	.30000	886.00	.9150-01	.7520-01	.9050-01	.4497-02	.3698-02	.4447-02	2.790	18.44	586.3
6	.60000	.40000	887.00	.1427	.1171	.1410	.7016-02	.5759-02	.6930-02	4.310	29.23	592.4
6	.60000	.50000	888.00	.2892	.2363	.2864	.1422-01	.1162-01	.1408-01	8.518	57.46	607.6
6	.60000	.60000	889.00	.3118	.2545	.3089	.1533-01	.1251-01	.1519-01	9.123	61.41	611.6
6	.60000	.70000	890.00	.2878	.2351	.2871	.1415-01	.1156-01	.1411-01	8.474	59.00	607.8
6	.60000	.80000	891.00	.1803	.1482	.1822	.8663-02	.7286-02	.8957-02	5.493	39.93	587.0
6	.60000	.85000	892.00	.1641	.1352	.1666	.8068-02	.6647-02	.8190-02	5.061	36.32	579.5
6	.60000	.90000	893.00	.1300	.1074	.1337	.6591-02	.5277-02	.6574-02	4.060	30.24	571.6
6	.60000	.95000	894.00	.9840-01	.8140-01	.1016	.4835-02	.4001-02	.4995-02	3.108	23.24	564.0
6	.65000	.00000	895.00	.3034	.2468	.2566	.1521-01	.1213-01	.1262-01	8.049	64.60	677.6
6	.70000	.00000	896.00	.1718	.1387	.1439	.8447-02	.6818-02	.7076-02	4.743	59.12	645.3
6	.70000	.25000-01	897.00	.1764	.1245	.1439	.1353-01	.1104-01	.1245-01	7.878	70.18	627.1
6	.70000	.10000+00	898.00	.2980	.2424	.2904	.1465-01	.1192-01	.1427-01	8.562	57.34	622.3
6	.70000	.20000	899.00	.1940	.1592	.1912	.9538-02	.7824-02	.9400-02	5.836	35.21	595.0
6	.70000	.30000	900.00	.1542	.1268	.1527	.7582-02	.6232-02	.7508-02	4.695	28.43	587.6
6	.70000	.40000	901.00	.2323	.1902	.2299	.1142-01	.9349-02	.1130-01	6.921	42.83	600.6
6	.70000	.60000	902.00	.3750	.3054	.3715	.1844-01	.1501-01	.1826-01	10.85	66.53	618.5
6	.70000	.90000	903.00	.1500	.1236	.1540	.7372-02	.6077-02	.7570-02	4.640	32.79	577.4
6	.75000	.00000	904.00	.3202	.2590	.2687	.1574-01	.1273-01	.1321-01	8.939	67.87	638.9
6	.75000	.25000-01	905.00	.4032	.3238	.3667	.1982-01	.1592-01	.1803-01	10.84	81.50	659.8
6	.75000	.50000-01	906.00	.3950	.3211	.367	.1942-01	.1579-01	.1852-01	11.32	80.76	624.1

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

(RVIL02)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1(OTO) BTU/ R FT2SEC	H1(TO) BTU/ R FT2SEC	H1(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
6	.75000	.10000+00	907.00	.4054	.3289	.3949	.1993-01	.1617-01	.1941-01	11.49	76.62	630.5
6	.75000	.20000	908.00	.4055	.3291	.3996	.1994-01	.1618-01	.1964-01	11.50	76.77	629.7
6	.75000	.30000	909.00	.3755	.3059	.3709	.1846-01	.1504-01	.1823-01	10.87	66.74	617.6
6	.75000	.40000	910.00	.3325	.2710	.3287	.1635-01	.1332-01	.1616-01	9.648	60.99	615.5
6	.75000	.50000	911.00	.3733	.3044	.3693	.1835-01	.1497-01	.1818-01	10.87	70.90	614.2
6	.75000	.60000	912.00	.2054	.1684	.2075	.1010-01	.8278-02	.1020-01	6.167	49.58	596.0
6	.75000	.70000	913.00	.1565	.1291	.1606	.7693-02	.6346-02	.7896-02	4.860	34.96	575.0
6	.75000	.80000	914.00	.1152	.9510-01	.1189	.5662-02	.4676-02	.5844-02	3.600	26.82	571.0
6	.80000	.90000	915.00	.3481	.2784	.2893	.1711-01	.1368-01	.1422-01	9.162	79.91	671.4
6	.80000	.00000	916.00	.3316	.2702	.3270	.1630-01	.1328-01	.1607-01	9.621	64.61	616.5
6	.80000	.40000	917.00	.3839	.3118	.3790	.1887-01	.1533-01	.1863-01	10.93	75.40	627.5
6	.80000	.50000	918.00	.1713	.1411	.1757	.8420-02	.6935-02	.8639-02	5.269	37.78	581.0
6	.85000	.00000	919.00	.4089	.3271	.3339	.2010-01	.1608-01	.1671-01	10.77	80.51	671.1
6	.85000	.20000	920.00	.2094	.1720	.2061	.1029-01	.8453-02	.1013-01	6.343	44.54	590.5
6	.85000	.40000	921.00	.3257	.2648	.3211	.1601-01	.1302-01	.1578-01	9.341	66.70	623.3
6	.90000	.00000	922.00	.2411	.1962	.2033	.1185-01	.9644-02	.9995-02	6.939	53.13	621.4
6	.90000	.10000+00	923.00	.2150	.1766	.2105	.1057-01	.8681-02	.1035-01	6.521	47.33	599.8
6	.90000	.20000	924.00	.1576	.1297	.1548	.7746-02	.6374-02	.7610-02	4.827	34.01	583.7
6	.90000	.30000	925.00	.1572	.1294	.1550	.7728-02	.6362-02	.7618-02	4.827	34.03	582.3
6	.90000	.40000	926.00	.2730	.2230	.2696	.1342-01	.1096-01	.1325-01	8.014	55.74	609.7
6	.90000	.50000	927.00	.1874	.1540	.1890	.9213-02	.7570-02	.9292-02	5.690	43.18	589.3
6	.90000	.60000	928.00	.1457	.1200	.1497	.7161-02	.5901-02	.7361-02	4.497	35.16	578.8
6	.95000	.70000	929.00	.1412	.1164	.1204	.6939-02	.5723-02	.5918-02	4.376	31.98	576.2
6	.95000	.80000	930.00	.1864	.1532	.1786	.9162-02	.7530-02	.8781-02	5.667	39.83	588.3
6	.95000	.90000	931.00	.1792	.1474	.1745	.8809-02	.7248-02	.8578-02	5.483	39.90	584.4
6	.95000	.00000	932.00	.1670	.1375	.1645	.8211-02	.6760-02	.8086-02	5.131	35.05	581.9
6	.95000	.10000+00	933.00	.1481	.1220	.1462	.7280-02	.5995-02	.7185-02	4.555	32.13	581.2
6	.95000	.20000	934.00	.1164	.9610-01	.1152	.5723-02	.4723-02	.5662-02	3.622	26.49	574.0
6	.95000	.30000	935.00	.1831	.1503	.1827	.9002-02	.7388-02	.8881-02	5.524	40.71	593.1
6	.95000	.40000	936.00	.1780	.1464	.1806	.8749-02	.7198-02	.8878-02	5.446	39.64	584.3
6	.95000	.50000	937.00	.1170	.9660-01	.1201	.5752-02	.4751-02	.5905-02	3.659	27.27	570.7

DATE 25 AUG 76 AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) ORBITER LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MAC4	RN/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
172	7.900	.5294	30.08	.0000	180.0	108.2	.1200-01	1272.	94.30	.5250	3760.	.1069-04
173	7.900	.5376	30.06	.0000	180.0	110.1	.1200-01	1273.	94.50	.5340	3762.	.1087-04
174	7.900	.5305	30.05	.0000	180.0	108.8	.1200-01	1275.	94.50	.5280	3764.	.1073-04

RUN NUMBER	MAC4	RN/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
172	7.900	.5294	30.08	.0000	180.0	108.2	.1200-01	1272.	94.30	.5250	3760.	.1069-04
173	7.900	.5376	30.06	.0000	180.0	110.1	.1200-01	1273.	94.50	.5340	3762.	.1087-04
174	7.900	.5305	30.05	.0000	180.0	108.8	.1200-01	1275.	94.50	.5280	3764.	.1073-04

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H1STO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAN BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
174	.30000	.90000	845.00	.4200-01	.3470-01	.3640-01	.7464-03	.6176-03	.6473-02	.4560	5.101	536.1
174	.30000	.50000-01	846.00	.1305	.1075	.1227	.2321-02	.1913-02	.2182-02	1.387	15.41	549.4
174	.30000	.10000+00	847.00	.1192	.9830-01	.1127	.2120-02	.1749-02	.2004-02	1.276	10.93	545.1
174	.30000	.20000	848.00	.1039	.3580-01	.0920-01	.1847-02	.1525-02	.1764-02	1.115	8.016	543.6
174	.30000	.40000	850.00	.6780-01	.5600-01	.6530-01	.1206-02	.9957-03	.1161-02	.7280	5.236	543.3
174	.30000	.50000	851.00	.5180-01	.4260-01	.5020-01	.9213-03	.7610-03	.8937-03	.5570	4.142	542.3
174	.30000	.60000	852.00	.4720-01	.3900-01	.4580-01	.8400-03	.6941-03	.8145-03	.5090	3.789	540.8
174	.30000	.70000	853.00	.4370-01	.3610-01	.4250-01	.7776-03	.6428-03	.7552-03	.4730	3.406	539.2
174	.30000	.80000	854.00	.4040-01	.3340-01	.3940-01	.7180-03	.5938-03	.7012-03	.4380	3.261	537.6
174	.30000	.90000	855.00	.2430-01	.2020-01	.2430-01	.4327-03	.3587-03	.4321-03	.2670	1.967	529.6
174	.30000	.00000	857.00	.1036	.2010-01	.2450-01	.4316-03	.3579-03	.4350-03	.2670	1.938	527.5
174	.30000	.00000	859.00	.1831	.1505	.1580	.1949-02	.1609-02	.1687-02	1.176	10.07	544.1
174	.40000	.00000	859.00	.3553	.2921	.3273	.3257-02	.2678-02	.2811-02	1.920	19.30	557.8
174	.40000	.50000-01	859.00	.2245	.1850	.2121	.5320-02	.5195-02	.5822-02	3.721	26.55	558.5
174	.40000	.10000+00	860.00	.1215	.1003	.1171	.3993-02	.3290-02	.3772-02	2.381	17.06	550.8
174	.40000	.20000	861.00	.1215	.1003	.1171	.2162-02	.1784-02	.2063-02	1.300	9.648	545.7
174	.40000	.30000	862.00	.1004	.6290-01	.9740-01	.1786-02	.1475-02	.1732-02	1.077	7.738	544.3

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RV1L03)

OH-498 (AEDC V41B-57A) CRBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QOOT BTU/ FT2SEC	DTWOT D/G. R /SEC	TW DEG. R
174	.40000	.40000	963.00	.8270-01	.6930-01	.8020-01	.1470-02	.1215-02	.1426-02	.8900	6.842	542.1
174	.40000	.60000	864.00	.7610-01	.6300-01	.7370-01	.1354-02	.1120-02	.1311-02	.8250	5.587	538.0
174	.40000	.70000	865.00	.7910-01	.6540-01	.7670-01	.1407-02	.1164-02	.1365-02	.8570	5.805	538.1
174	.40000	.75000	866.00	.6740-01	.5580-01	.6560-01	.1199-02	.9920-03	.1167-02	.7320	5.459	536.5
174	.40000	.85000	867.00	.5180-01	.4290-01	.5120-01	.9210-03	.7630-03	.9113-03	.5670	4.305	532.0
174	.40000	.90000	868.00	.4180-01	.3460-01	.4200-01	.7430-03	.6157-03	.7475-03	.4580	3.952	530.7
174	.40000	.95000	869.00	.3470-01	.2870-01	.3510-01	.6166-03	.5112-03	.6247-03	.3810	3.112	529.0
174	.50000	.00000	871.00	.5615	.4584	.4820	.9988-02	.8153-02	.8573-02	5.655	45.81	581.0
174	.50000	.50000-01	872.00	.3551	.2920	.3290	.6317-02	.5194-02	.5852-02	2.726	28.43	557.3
174	.50000	.10000+00	873.00	.2036	.1680	.1940	.3622-02	.2988-02	.3451-02	1.175	16.13	546.7
174	.50000	.20000	874.00	.1277	.1137	.1330	.2449-02	.2022-02	.2365-02	1.480	10.65	542.7
174	.50000	.30000	875.00	.1117	.9230-01	.1082	.1987-02	.1642-02	.1924-02	1.204	8.667	541.3
174	.50000	.40000	876.00	.9280-01	.7670-01	.8990-01	.1650-02	.1364-02	.1598-02	1.002	7.213	540.3
174	.50000	.60000	877.00	.6830-01	.5650-01	.6620-01	.1214-02	.1004-02	.1178-02	.7410	5.173	537.3
174	.50000	.90000	878.00	.3920-01	.3170-01	.3720-01	.6797-03	.5635-01	.6608-03	.4200	3.308	529.2
174	.55000	.00000	879.00	.7245	.5837	.6156	.1289-01	.1038-01	.1095-01	6.812	56.25	618.6
174	.60000	.00000	880.00	.4452	.3627	.3816	.7919-02	.6452-02	.6787-02	4.439	40.34	586.6
174	.60000	.25000-01	881.00	.4978	.4076	.4496	.8855-02	.7250-02	.7997-02	5.098	38.63	571.5
174	.60000	.50000-01	882.00	.2765	.2272	.2569	.4918-02	.4041-02	.4569-02	2.889	27.76	559.8
174	.60000	.75000-01	883.00	.2847	.2343	.2696	.5063-02	.4168-02	.4795-02	3.005	22.20	553.8
174	.60000	.10000+00	884.00	.2165	.1786	.2072	.3851-02	.3178-02	.3686-02	2.317	16.63	545.1
174	.60000	.20000	885.00	.1429	.1181	.1384	.2543-02	.2101-02	.2461-02	1.541	11.10	541.0
174	.60000	.30000	886.00	.1393	.1152	.1349	.2478-02	.2048-02	.2399-02	1.504	10.17	540.3
174	.60000	.40000	887.00	.1260	.1042	.1218	.1893-02	.1566-02	.1836-02	1.363	9.510	539.2
174	.60000	.50000	888.00	.1064	.8800-01	.1032	.1628-02	.1347-02	.1580-02	.950	6.954	536.2
174	.60000	.60000	889.00	.9150-01	.7570-01	.8880-01	.1081-02	.8959-03	.9319-03	.5800	4.338	531.0
174	.60000	.80000	891.00	.5300-01	.4390-01	.5240-01	.1081-02	.8959-03	.9319-03	.6670	4.908	530.0
174	.60000	.85000	892.00	.6080-01	.5040-01	.6040-01	.8963-03	.7434-03	.9035-03	.5550	4.229	527.7
174	.60000	.90000	893.00	.5040-01	.4180-01	.5080-01	.6930-03	.5749-03	.7020-03	.4300	3.278	526.5
174	.65000	.95000	894.00	.3900-01	.3230-01	.3950-01	.5865-02	.4799-02	.5044-02	3.365	28.41	573.5
174	.70000	.00000	895.00	.3298	.2698	.2836	.2968-02	.2439-02	.2561-02	2.71	22.71	559.0
174	.70000	.00000	896.00	.1669	.1371	.1440	.4328-02	.3566-02	.3718-02	2.580	16.35	543.9
174	.70000	.25000-01	897.00	.2433	.2005	.2198	.3127-02	.2584-02	.3017-02	1.898	11.77	540.2
174	.70000	.10000+00	898.00	.2189	.1807	.2090	.2565-02	.2122-02	.2487-02	1.565	9.717	537.2
174	.70000	.20000	899.00	.1758	.1453	.1686	.2201-02	.1821-02	.2133-02	1.346	8.602	535.7
174	.70000	.30000	900.00	.1442	.1193	.1398	.1916-02	.1586-02	.1859-02	1.173	7.502	534.9
174	.70000	.40000	901.00	.1237	.1024	.1199	.1010-02	.8381-03	.1016-02	.6260	4.540	527.3
174	.70000	.50000	902.00	.1077	.8920-01	.1045	.2978-02	.2468-02	.2586-02	1.837	14.72	530.3
174	.70000	.60000	903.00	.5680-01	.4710-01	.5710-01	.6351-02	.5211-02	.5713-02	3.704	29.17	564.0
174	.75000	.00000	904.00	.1674	.1388	.1454	.5597-02	.4614-02	.5240-02	3.348	24.80	549.0
174	.75000	.25000-01	905.00	.3570	.2930	.3212	.4308-02	.3556-02	.4115-02	2.598	18.08	544.3
174	.75000	.50000-01	906.00	.3147	.2594	.2946						
174	.75000	.10000+00	907.00	.2422	.1999	.2313						

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS

(RVIL03)

AEDC VKF V41B-57A (OH-49B) COLLATION CHECK

OH-49B (AEDC V41B-57A) ORBITER LOMER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9T0) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
174	75000	.20000	908.00	.1524	.1260	.1472	.2711-02	.2241-02	.2617-02	1.649	11.51	538.8
174	75000	.30000	909.00	.1333	.1103	.1290	.2371-02	.1962-02	.2294-02	1.451	9.277	535.1
174	75000	.40000	910.00	.1220	.1010	.1181	.2170-02	.1796-02	.2101-02	1.329	8.745	535.0
174	75000	.50000	911.00	.1078	.8930-01	.1047	.1918-02	.1589-02	.1862-02	1.178	7.995	533.3
174	75000	.60000	912.00	.6900-01	.5720-01	.6830-01	.1228-02	.1018-02	.1214-02	.7580	6.302	529.7
174	75000	.80000	913.00	.5870-01	.4870-01	.5900-01	.1044-02	.8665-03	.1050-02	.6490	4.783	525.9
174	75000	.90000	914.00	.4140-01	.3430-01	.4190-01	.7362-03	.6109-03	.7447-03	3.409	3.409	525.5
174	75000	.00000	915.00	.3166	.2595	.2726	.5631-02	.4616-02	.4849-02	3.263	28.93	567.8
174	80000	.00000	916.00	.1431	.1184	.1383	.2546-02	.2107-02	.2460-02	1.557	10.89	535.6
174	80000	.20000	917.00	.1132	.9370-01	.1094	.2013-02	.1666-02	.1947-02	1.234	8.911	534.2
174	80000	.40000	918.00	.5280-01	.4380-01	.5310-01	.9392-03	.7792-03	.9439-03	5.830	4.296	526.5
174	85000	.60000	919.00	.3842	.3150	.3309	.6834-02	.5603-02	.5885-02	3.965	31.19	567.0
174	85000	.80000	920.00	.1553	.1285	.1497	.2762-02	.2286-02	.2663-02	1.688	12.18	536.0
174	85000	.00000	921.00	.1121	.1908	.1083	.1993-02	.1650-02	.1926-02	1.222	9.120	534.2
174	90000	.00300	922.00	.2315	.1908	.2002	.4118-02	.3395-02	.3561-02	2.462	19.54	549.3
174	90000	.10000+00	923.00	.2170	.1793	.2080	.3860-02	.3190-02	.3700-02	2.342	17.42	540.5
174	90000	.20000	924.00	.1810	.1496	.1741	.3220-02	.2662-02	.3097-02	1.956	14.09	539.9
174	90000	.30000	925.00	.1507	.1246	.1454	.2680-02	.2217-02	.2586-02	1.635	11.79	537.0
174	90000	.40000	926.00	.9940-01	.8240-01	.9620-01	.1769-02	.1465-02	.1711-02	1.088	7.867	532.1
174	90000	.50000	927.00	.8330-01	.6900-01	.8220-01	.1481-02	.1228-02	.1462-02	9.160	7.216	528.8
174	90000	.60000	928.00	.5630-01	.4670-01	.5670-01	.1002-02	.8313-03	.1009-02	.6220	4.992	526.6
174	95000	.00000	929.00	.1317	.1090	.1143	.2343-02	.1939-02	.2033-02	1.435	10.71	534.7
174	95000	.50000-01	930.00	.1808	.1495	.1698	.3216-02	.2659-02	.3021-02	1.956	14.09	539.4
174	95000	.16300+00	931.00	.1777	.1469	.1694	.3160-02	.2612-02	.3313-02	1.921	14.30	539.0
174	95000	.20000	932.00	.1824	.1508	.1758	.3244-02	.2683-02	.3127-02	1.976	13.80	538.2
174	95000	.30000	933.00	.1712	.1416	.1654	.3045-02	.2519-02	.2942-02	1.857	13.39	537.6
174	95000	.50000	934.00	.1164	.9630-01	.1127	.2070-02	.1714-02	.2004-02	1.270	9.184	533.4
174	95000	.70000	935.00	.6890-01	.5710-01	.6730-01	.1226-02	.1016-02	.1157-02	5.773	5.773	528.5
174	95000	.80000	936.00	.6880-01	.5710-01	.6840-01	.1224-02	.1016-02	.1216-02	7.500	5.691	526.8
174	95000	.90000	937.00	.4730-01	.3930-01	.4760-01	.8411-03	.6982-03	.8461-03	5.240	3.994	524.5

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L03)

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
145	7.940	1.017	30.06	.0000	180.0	210.8	.2300-01	1272.	93.50	1.000	3762.	.2034-04
146	7.940	1.013	30.05	.0000	180.0	210.9	.2300-01	1276.	93.70	1.001	3767.	.2030-04
147	7.940	1.020	30.04	.0000	180.0	212.1	.2300-01	1275.	93.70	1.007	3765.	.2043-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
145	.7527-07	.2447-01	.4033-01	0.0175
146	.7546-07	.2449-01	.4038-01	.4033-01
147	.7541-07	.2456-01	.4025-01	.4025-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AM) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
147	.30000	.00000	845.00	.4110-01	.3390-01	.3560-01	.1010-02	.8332-03	.8740-03	.6060	6.744	547.0
147	.30000	.50000-01	846.00	.1365	.1121	.1282	.3351-02	.2752-02	.3147-02	1.960	21.63	562.3
147	.30000	.10000-00	847.00	.1183	.0930-01	.1118	.2906-02	.2389-02	.2745-02	1.711	14.55	558.6
147	.30000	.20000	848.00	.1031	.0840-01	.0930-01	.2531-02	.2083-02	.2414-02	1.499	10.71	555.0
47	.30000	.40000	850.00	.6160-01	.5070-01	.5920-01	.1513-02	.1244-02	.1455-02	.8940	6.386	555.2
147	.30000	.50000	851.00	.4470-01	.3630-01	.4340-01	.1098-02	.9034-03	.1065-02	.6490	4.792	556.1
147	.30000	.60000	852.00	.4250-01	.3500-01	.4120-01	.1043-02	.8587-03	.1011-02	.6180	4.563	555.1
147	.30000	.70000	853.00	.3870-01	.3180-01	.3750-01	.9498-03	.7818-03	.9219-03	.5630	4.027	554.2
147	.30000	.80000	854.00	.3980-01	.3270-01	.3880-01	.9763-03	.8039-03	.9529-03	.5810	4.293	552.5
147	.30000	.90000	855.00	.2380-01	.1960-01	.2380-01	.5843-03	.4823-03	.5835-03	.3520	2.571	544.6
147	.30000	.95000	856.00	.2610-01	.2160-01	.2630-01	.6411-03	.5295-03	.6464-03	.3880	2.789	542.4
147	.35000	.00000	857.00	.1105	.9090-01	.9540-01	.2714-02	.2233-02	.2344-02	1.605	13.67	556.0
147	.40000	.00000	858.00	.1866	.1526	.1604	.4581-02	.3748-02	.3939-02	2.627	26.21	573.8
147	.40000	.50000-01	859.00	.3480	.2845	.3198	.8544-02	.6986-02	.7852-02	4.882	34.53	575.8
147	.40000	.10000-00	860.00	.2199	.1804	.2075	.5401-02	.4429-02	.5095-02	3.139	22.31	566.0
147	.40000	.20000	861.00	.1252	.1029	.1205	.3075-02	.2526-02	.2960-02	1.804	13.29	560.4
147	.40000	.30000	862.00	.9810-01	.8060-01	.9500-01	.2408-02	.1979-02	.2333-02	1.417	10.11	558.9

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(90) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
147	.40000	.40000	863.00	.7780-01	.6400-01	.7550-01	.1912-02	.1572-02	.1853-02	1.127	8.600	557.5
147	.40000	.60000	864.00	.7520-01	.6190-01	.7280-01	.1818-02	.1520-02	.1786-02	1.094	7.341	555.3
147	.40000	.70000	865.00	.7960-01	.6550-01	.7710-01	.1955-02	.1608-02	.1894-02	1.157	7.769	553.1
147	.40000	.75000	866.00	.7100-01	.5840-01	.6900-01	.1743-02	.1435-02	.1695-02	1.035	7.647	553.5
147	.40000	.85000	867.00	.5630-01	.4640-01	.5570-01	.1383-02	.1140-02	.1368-02	.8270	6.232	549.0
147	.40000	.90000	868.00	.4520-01	.3730-01	.4550-01	.1111-02	.0916-03	.1118-02	.6670	5.703	547.0
147	.40000	.95000	869.00	.3690-01	.3040-01	.3740-01	.0951-03	.0740-03	.0913-03	.5450	4.414	545.0
147	.50000	.00000	871.00	.5545	.4486	.4728	.1362-01	.1102-01	.1161-01	7.369	58.96	606.0
147	.50000	.50000-01	872.00	.3495	.2957	.3230	.8582-02	.7016-02	.7932-02	4.901	37.05	576.1
147	.50000	.10000+00	873.00	.2038	.1573	.1940	.5005-02	.4109-02	.4763-02	2.924	21.51	563.0
147	.50000	.20000	874.00	.1350	.1142	.1341	.3413-02	.2804-02	.3293-02	2.006	14.30	559.5
147	.50000	.30000	875.00	.1191	.0990-01	.1152	.2925-02	.2404-02	.2829-02	1.722	12.28	558.6
147	.50000	.40000	876.00	.9600-01	.8060-01	.9490-01	.2407-02	.1979-02	.2331-02	1.420	10.13	557.4
147	.50000	.50000	877.00	.6710-01	.5520-01	.6510-01	.1648-02	.1356-02	.1598-02	.9760	6.755	555.2
147	.50000	.60000	878.00	.3690-01	.3030-01	.3570-01	.1778-01	.1413-01	.1494-01	.5430	4.240	546.0
147	.55000	.00000	879.00	.7239	.5753	.6086	.1112-01	.0872-02	.0949-02	8.767	71.17	654.0
147	.60000	.00000	880.00	.4529	.3654	.3852	.1209-01	.0923-02	.1088-01	5.917	53.02	615.2
147	.60000	.25000-01	881.00	.4925	.4000	.4429	.6843-02	.5595-02	.6341-02	6.668	49.92	595.8
147	.60000	.50000	882.00	.2787	.2275	.2582	.6986-02	.5716-02	.6605-02	3.874	36.83	581.2
147	.60000	.75000-01	883.00	.2645	.2328	.2690	.5239-02	.4301-02	.5009-02	4.009	29.34	573.3
147	.60000	.10000+00	884.00	.2134	.1752	.2040	.3609-02	.2967-02	.3490-02	3.063	21.81	562.6
147	.60000	.20000	885.00	.1470	.1208	.1421	.3388-02	.2768-02	.3257-02	2.128	15.18	557.7
147	.60000	.30000	886.00	.1371	.1127	.1326	.2909-02	.2393-02	.2811-02	1.983	13.29	558.4
147	.60000	.40000	887.00	.1185	.0940-01	.1145	.2641-02	.2172-02	.2559-02	1.714	11.85	558.0
147	.60000	.50000	888.00	.1075	.0840-01	.1042	.2214-02	.1822-02	.2146-02	1.559	10.78	557.0
147	.60000	.60000	889.00	.9020-01	.7420-01	.8740-01	.1324-02	.1091-02	.1310-02	1.312	9.084	554.7
147	.60000	.80000	891.00	.5390-01	.4440-01	.5330-01	.1570-02	.1262-02	.1521-02	.7910	5.858	549.8
147	.60000	.85000	892.00	.6230-01	.5140-01	.6190-01	.1266-02	.1045-02	.1277-02	.9170	6.633	548.2
147	.60000	.90000	893.00	.5160-01	.4260-01	.5000-01	.9640-03	.7960-03	.9770-03	.7620	5.750	545.5
147	.65000	.00000	894.00	.3930-01	.3240-01	.3790-01	.8275-02	.6715-02	.7070-02	.5820	4.359	543.3
147	.65000	.00000	895.00	.3370	.2735	.2879	.4039-02	.3298-02	.3467-02	4.540	37.86	598.6
147	.70000	.00000	896.00	.1645	.1343	.1412	.5706-02	.4673-02	.5138-02	2.290	29.46	580.4
147	.70000	.25000-01	897.00	.2324	.1903	.2063	.5311-02	.4361-02	.5066-02	3.290	30.13	570.7
147	.70000	.10000+00	898.00	.2153	.1776	.2063	.4350-02	.3609-02	.4232-02	3.109	21.45	561.9
147	.70000	.20000	899.00	.1788	.1470	.1733	.3539-02	.2955-02	.3525-02	2.586	15.89	558.1
147	.70000	.30000	900.00	.1482	.1220	.1436	.3126-02	.2573-02	.3028-02	2.154	13.25	555.3
147	.70000	.40000	901.00	.1273	.1048	.1233	.2725-02	.2243-02	.2642-02	1.853	11.74	554.3
147	.70000	.50000	902.00	.1110	.09130-01	.1076	.1393-02	.1150-02	.1402-02	1.616	10.23	554.2
147	.70000	.60000	903.00	.5670-01	.4680-01	.5710-01	.3095-02	.2551-02	.2677-02	.8370	6.009	546.4
147	.70000	.70000	904.00	.1260	.1039	.1090	.8625-02	.7026-02	.7727-02	14.70	14.70	548.7
147	.75000	.00000	905.00	.3512	.2861	.3147	.7367-02	.6039-02	.6883-02	4.831	31.62	587.1
147	.75000	.25000-01	906.00	.3000	.2459	.2803	.5583-02	.4584-02	.5326-02	3.265	22.52	552.5
147	.75000	.50000+00	907.00	.2274	.1867	.2169						

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(RV1L03)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAN)	H(IST) FT2SEC	H(CTO) BTU/ R FT2SEC	H(CTAH) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DT/DT DEG. R /SEC	TW DEG. R
147	75000	20000	908.00	.1485	.1222	.1433	.7647-02	.2999-02	.3518-02	2.153	14.69	556.8
147	75000	30000	909.00	.1323	.1090	.1280	.3250-02	.2676-02	.3142-02	1.931	12.24	552.9
147	75000	40000	910.00	.1171	.9640-01	.1133	.2876-02	.2368-02	.2782-02	1.707	11.13	553.7
147	75000	60000	911.00	.1119	.9220-01	.1085	.2743-02	.2251-02	.2665-02	1.637	11.00	551.8
147	75000	80000	912.00	.690-01	.5720-01	.6870-01	.1705-02	.1406-02	.1586-02	1.019	8.384	549.7
147	75000	90000	913.00	.5760-01	.4700-01	.5800-01	.1415-02	.1168-02	.1423-02	9520	6.219	545.2
147	75000	95000	914.00	.4380-01	.3620-01	.4430-01	.1076-02	.8881-03	.1089-02	6490	4.903	543.8
147	80000	00000	915.00	.3262	.2651	.2790	.8010-02	.6509-02	.6851-02	4.428	40.08	594.5
147	80000	20000	916.00	.1403	.1154	.1354	.3445-02	.2833-02	.3324-02	2.031	14.07	556.7
147	80000	40000	917.00	.1103	.9080-01	.1066	.2709-02	.2230-02	.2618-02	1.608	11.50	553.7
147	80000	60000	918.00	.6350-01	.5240-01	.6380-01	.1559-02	.1287-02	.1568-02	9370	6.838	546.2
147	85000	00000	919.00	.3949	.3210	.3378	.9697-02	.7882-02	.8295-02	5.335	14.14	594.0
147	85000	20000	920.00	.1460	.1201	.1406	.3585-02	.2949-02	.3452-02	2.120	14.09	556.0
147	85000	40000	921.00	.1317	.1083	.1271	.3234-02	.2660-02	.3121-02	3.243	25.45	571.6
147	90000	00000	922.00	.2294	.1878	.1974	.5634-02	.4613-02	.4847-02	1.910	14.09	556.6
147	90000	10000+00	923.00	.2256	.1853	.2159	.5539-02	.4550-02	.5302-02	3.251	23.95	560.2
147	90000	20000	924.00	.1789	.1471	.1713	.4392-02	.3611-02	.4219-02	2.588	18.46	558.1
147	90000	30000	925.00	.1587	.1305	.1530	.3898-02	.3205-02	.3757-02	2.301	16.42	557.0
147	90000	50000	926.00	.1386	.1140	.1339	.3402-02	.2799-02	.3287-02	2.011	14.36	555.3
147	90000	80000	927.00	.1115	.1115	.1100	.2738-02	.2255-02	.2702-02	1.629	12.68	552.3
147	90000	90000	928.00	.7630-01	.6290-01	.7680-01	.1873-02	.1544-02	.1886-02	1.122	8.909	548.1
147	95000	00000	929.00	.1304	.1074	.1127	.3202-02	.2637-02	.2767-02	1.904	14.08	552.6
147	95000	50000-01	930.00	.1788	.1470	.1676	.4390-02	.3611-02	.4116-02	2.591	18.50	550.9
147	95000	10000+00	931.00	.1782	.1466	.1697	.4377-02	.3593-02	.4167-02	2.581	19.04	557.5
147	95000	20000	932.00	.1677	.1380	.1615	.4119-02	.3383-02	.3966-02	2.433	16.83	556.5
147	95000	30000	933.00	.1554	.1361	.1596	.4062-02	.3342-02	.3920-02	2.402	17.16	555.9
147	95000	50000	934.00	.1157	.9530-01	.1119	.2841-02	.2339-02	.2749-02	1.688	12.48	553.1
147	95000	70000	935.00	.1142	.9400-01	.1115	.2804-02	.2309-02	.2737-02	1.665	12.51	553.7
147	95000	80000	936.00	.1265	.1045	.1260	.3115-02	.2565-02	.3095-02	1.853	13.70	552.5
147	95000	90000	937.00	.9070-01	.7480-01	.9120-01	.2226-02	.1836-02	.2240-02	1.333	10.05	548.3

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LOWER WING

OH-493 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L03)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPDRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
124	7.970	1.513	30.06	.0000	180.0	321.0	.3400-01	1283.	93.60	1.498	3779.	.3019-04
125	7.970	1.512	30.06	.0000	180.0	321.0	.3400-01	1284.	93.70	1.498	3780.	.3018-04
126	7.970	1.519	30.08	.0000	180.0	321.9	.3400-01	1283.	93.60	1.502	3778.	.3029-04

RUN NUMBER	MU LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
124	.7539-07	.2999-01	0.0175
125	.7542-07	.3000-01	.3312-01
126	.7535-07	.3003-01	.3314-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(11W) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTADT DEG. R /SEC	TM DEG. R
126	.30000	.00000	845.00	.4000-01	.3300-01	.3460-01	.1201-02	.9910-03	.1039-02	.7280	8.092	548.0
126	.30000	.50000-01	846.00	.1285	.1054	.1206	.3858-02	.3164-02	.3621-02	2.256	24.82	569.5
126	.30000	.10000+00	847.00	.1116	.9170-01	.1054	.3353-02	.2754-02	.3156-02	1.977	16.77	564.6
126	.30000	.20000	848.00	.1044	.8590-01	.9960-01	.3136-02	.2580-02	.2991-02	1.865	13.29	559.8
126	.30000	.40000	850.00	.5730-01	.4710-01	.5510-01	.1719-02	.1414-02	.1653-02	1.020	7.265	561.3
126	.30000	.50000	851.00	.4410-01	.3620-01	.4270-01	.1324-02	.1083-02	.1283-02	.7850	5.781	561.2
126	.30000	.60000	852.00	.4110-01	.3380-01	.3990-01	.1235-02	.1016-02	.1197-02	.7340	5.407	560.3
126	.30000	.70000	853.00	.3870-01	.3130-01	.3760-01	.1164-02	.9575-03	.1129-02	.6930	4.942	558.9
126	.30000	.80000	854.00	.4150-01	.3410-01	.4050-01	.1245-02	.1025-02	.1215-02	.7430	5.477	557.9
126	.30000	.90000	855.00	.2810-01	.2320-01	.2810-01	.8443-03	.6970-03	.8430-03	.5120	3.735	547.6
126	.30000	.95000	856.00	.2850-01	.2350-01	.2870-01	.8555-03	.7068-03	.8625-03	.5210	3.745	545.0
126	.35000	.00000	857.00	.9740-01	.8010-01	.8410-01	.2926-02	.2406-02	.2526-02	1.736	14.75	561.1
126	.40000	.00000	858.00	.1826	.1491	.1568	.5484-02	.4478-02	.4709-02	3.130	31.08	583.5
126	.40000	.50000-01	859.00	.3527	.2876	.3237	.1059-01	.8639-02	.9723-02	6.005	42.22	587.5
126	.40000	.10000+00	860.00	.2225	.1821	.2097	.6681-02	.5470-02	.6298-02	3.871	27.39	575.0
126	.40000	.20000	861.00	.1204	.9880-01	.1159	.3616-02	.2968-02	.3480-02	2.123	15.58	567.4
126	.40000	.30000	862.00	.9370-01	.7690-01	.9070-01	.2814-02	.2311-02	.2725-02	1.657	11.78	565.3

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AEDC VKF V41B-37A (OH-49B) COLLATION DECK

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(RV1L03)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(19T) BTU/ R FT2SEC	H(10T) BTU/ R FT2SEC	H(11T) BTU/ R FT2SEC	UOOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
126	40000	40000	863.00	7450-01	6120-01	7220-01	2238-02	1839-02	2163-02	1.322	10.06	563.5
126	40000	60000	864.00	7770-01	6390-01	7510-01	2330-02	1919-02	2256-02	1.387	9.288	560.0
126	40000	70000	865.00	8060-01	6630-01	7810-01	2422-02	1992-02	2347-02	1.440	9.644	559.8
126	40000	80000	866.00	7140-01	5870-01	6910-01	2143-02	1764-02	2085-02	1.278	9.423	558.0
126	40000	85000	867.00	5850-01	4820-01	5790-01	1757-02	1448-02	1738-02	1.056	7.935	553.5
126	40000	90000	868.00	4800-01	3960-01	4830-01	1441-02	1189-02	1450-02	0.890	7.421	551.2
126	40000	95000	869.00	3800-01	3140-01	3850-01	1141-02	9419-03	1157-02	0.6910	5.588	548.5
126	50000	00000	871.00	5480	4410	4653	1646-01	1325-01	1397-01	8.706	69.00	625.3
126	50000	50000-01	872.00	3530	2877	3258	1050-01	8640-02	9784-02	5.988	44.97	589.5
126	50000	10000-00	873.00	2070	1696	1959	6217-02	5093-02	5912-02	3.615	26.46	572.7
126	50000	20000	874.00	1394	1144	1344	4186-02	3437-02	4038-02	2.464	17.51	565.7
126	50000	30000	875.00	1198	9840-01	1158	3597-02	2954-02	3479-02	2.118	15.06	565.6
126	50000	40000	876.00	1000-00	8210-01	9680-01	3003-02	2467-02	2907-02	1.773	12.62	563.9
126	50000	50000	877.00	7020-01	5770-01	5800-01	2108-02	1734-02	2043-02	1.252	8.647	560.3
126	50000	60000	878.00	3850-01	3180-01	3740-01	1154-02	9539-03	1123-02	0.6990	5.448	549.8
126	55000	00000	879.00	7053	5548	5683	2118-01	1656-01	1767-01	10.01	80.21	681.7
126	60000	00000	880.00	4433	3555	3753	1331-01	1088-01	1127-01	6.909	61.30	635.4
126	60000	25000-01	881.00	4968	4017	4456	1492-01	1206-01	1338-01	8.080	59.99	612.8
126	60000	50000-01	882.00	2617	2292	2607	8462-02	6884-02	7829-02	4.737	44.75	594.5
126	60000	75000-01	883.00	2927	2390	2765	8730-02	7177-02	8304-02	5.016	36.52	583.6
126	60000	10000-00	884.00	2171	1780	2075	6521-02	5346-02	6231-02	3.805	26.97	570.9
126	60000	20000	885.00	1460	1199	1411	4384-02	3601-02	4239-02	2.588	18.41	564.0
126	60000	30000	886.00	1333	1090	1285	3991-02	3275-02	3658-02	2.340	15.61	568.0
126	60000	40000	887.00	1152	9460-01	1113	3460-02	2840-02	3341-02	2.032	12.99	567.0
126	60000	50000	888.00	1075	8930-01	1041	3227-02	2651-02	3126-02	1.905	13.13	564.1
126	60000	60000	889.00	9170-01	7540-01	8890-01	2755-02	2266-02	2670-02	1.635	11.28	561.0
126	60000	69000	890.00	5390-01	4360-01	5630-01	1593-02	1309-02	1571-02	0.9530	7.041	554.5
126	60000	85000	892.00	6460-01	5330-01	6420-01	1942-02	1601-02	1929-02	1.170	8.513	551.7
126	60000	90000	893.00	5130-01	4250-01	5190-01	1546-02	1275-02	1558-02	0.9560	7.046	549.4
126	60000	95000	894.00	3680-01	3210-01	3930-01	1156-02	9631-03	1182-02	0.7090	5.349	546.3
126	65000	00000	895.00	3303	2670	2814	9921-02	8018-02	8451-02	5.362	44.38	613.8
126	70000	00000	896.00	1580	1287	1354	4744-02	3865-02	4066-02	2.674	34.24	590.6
126	70000	25000-01	897.00	2266	1853	2038	6805-02	5564-02	6121-02	3.915	35.71	579.0
126	70000	10000-00	898.00	2147	1750	2047	6447-02	5287-02	6146-02	3.771	25.92	569.4
126	70000	20000	899.00	1776	1459	1711	5334-02	4383-02	5139-02	3.153	19.33	563.2
126	70000	30000	900.00	1464	1203	1418	4397-02	3614-02	4257-02	2.605	15.98	561.9
126	70000	40000	901.00	1246	1024	1206	3741-02	3075-02	3622-02	2.216	13.98	562.1
126	70000	50000	902.00	1098	8030-01	1054	3298-02	2711-02	3196-02	1.953	12.32	562.2
126	70000	60000	903.00	5880-01	4850-01	5920-01	1766-02	1457-02	1777-02	1.066	7.635	550.8
126	75000	00000	904.00	1786	1477	1541	5355-02	4407-02	4627-02	3.165	24.93	564.4
126	75000	25000-01	905.00	3178	2583	2843	8545-02	7758-02	8540-02	5.315	41.18	597.5
126	75000	50000-01	906.00	2857	2339	2667	8579-02	7023-02	8010-02	4.967	36.31	575.3
126	75000	10000-00	907.00	2224	1824	2120	6679-02	5478-02	6366-02	3.906	26.85	569.3

AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2V/8	X/C	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(14) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMDT DEG. R /SEC	TM DEG. R
126	75000	20000	908.00	1506	1238	1452	4521-02	3717-02	4360-02	2.678	18.48	562.0
126	75000	30000	909.00	1321	1087	1277	3966-02	3264-02	3834-02	2.362	14.93	558.7
126	75000	40000	910.00	1193	9810-01	1154	3584-02	2947-02	3465-02	2.129	13.84	560.1
126	75000	60000	911.00	1068	8790-01	1035	3208-02	2639-02	3110-02	1.908	12.78	559.6
126	75000	80000	912.00	7000-01	5770-01	6920-01	2103-02	1732-02	2079-02	1.258	10.31	556.3
126	75000	90000	913.00	5980-01	4940-01	6020-01	1797-02	1482-02	1807-02	1.086	7.913	549.7
126	75000	95000	914.00	4260-01	3520-01	4320-01	1281-02	1057-02	1296-02	0.780	5.862	547.2
126	80000	00000	915.00	3202	2592	2731	9616-02	7783-02	8201-02	5.238	47.06	609.6
126	80000	20000	916.00	1669	1370	1233	5013-02	4115-02	4835-02	2.949	20.30	566.1
126	80000	40000	917.00	1277	1050	1233	3835-02	3154-02	3704-02	2.278	16.23	570.4
126	80000	60000	918.00	6470-01	5340-01	6500-01	1944-02	1603-02	1953-02	1.173	8.541	550.7
126	85000	00000	919.00	3973	3216	3388	1193-01	9658-02	1018-01	6.503	50.09	609.3
126	85000	20000	920.00	1852	1521	1783	5563-02	4569-02	5454-02	3.280	23.33	564.7
126	85000	40000	921.00	2809	2296	2707	8436-02	6894-02	8130-02	4.839	37.28	590.8
126	90000	00000	922.00	2271	1856	1951	6820-02	5574-02	5860-02	3.912	30.56	580.8
126	90000	10000+00	923.00	2310	1902	2217	6560-02	5711-02	6560-02	4.082	29.95	567.9
126	90000	20000	924.00	1853	1522	1779	5565-02	4570-02	5343-02	3.280	23.33	564.9
126	90000	30000	925.00	1728	1420	1665	5188-02	4264-02	5000-02	3.070	21.85	562.7
126	90000	50000	926.00	2858	2338	2758	8584-02	7022-02	8283-02	4.950	34.98	577.6
126	90000	80000	927.00	1822	1496	1798	5473-02	4492-02	5399-02	3.212	24.82	567.4
126	90000	90000	928.00	1195	9830-01	1203	3588-02	2952-02	3614-02	2.138	16.89	558.5
126	95000	00000	929.00	1294	1066	1118	5211-02	4282-02	4883-02	2.328	17.19	555.2
126	95000	10000+00	930.00	1735	1426	1626	5330-02	4379-02	5073-02	3.080	21.92	563.3
126	95000	20000	931.00	1775	1458	1689	5287-02	4345-02	5089-02	3.127	23.14	563.8
126	95000	30000	932.00	1750	1447	1694	5660-02	4159-02	4882-02	2.984	21.32	562.8
126	95000	50000	933.00	1685	1385	1625	4027-02	3313-02	3894-02	2.398	17.67	558.9
126	95000	70000	934.00	1341	1103	1297	5225-02	4290-02	5037-02	3.076	22.97	565.7
126	95000	80000	935.00	1740	1429	1697	5116-02	4206-02	5081-02	3.034	22.33	561.3
126	95000	90000	936.00	1703	1401	1692	3575-02	2944-02	3597-02	2.138	16.04	556.3

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL/51)

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L XIC 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
91	7.980	2.015	30.07	.0000	180.0	431.5	.4500-01	1289.	93.80	2.002	3787.	.4017-04
92	7.980	2.025	30.07	.0000	180.0	432.5	.4500-01	1286.	93.60	2.007	3784.	.4034-04
93	7.980	2.026	30.07	.0000	180.0	432.2	.4500-01	1285.	93.60	2.006	3782.	.4035-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
91	.7553-07	3470-01		0.0175
92	.7533-07	3473-01		.2873-01
93	.7533-07	3471-01		.2866-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(OTO) BTU/ R FT ² SEC	H(OTI) BTU/ R FT ² SEC	H(TAW) BTU/ R FT ² SEC	ODOT BTU/ R FT ² SEC	DTWOT DEG. R /SEC	TW DEG. R
53	.30000	.00000	845.00	.3990-01	.3310-01	.3470-01	.1386-02	.1148-02	.1203-02	.8610	9.637	535.1
93	.30000	.50000-01	846.00	.1264	.1039	.1187	.4388-02	.3608-02	.4122-02	2.607	28.78	562.5
93	.30000	.10000+00	847.00	.1215	.1001	.1149	.4219-0	.3476-02	.3987-02	2.538	21.62	555.1
97	.30000	.20000	848.00	.1046	.0620-01	.0990-01	.3610-02	.2994-02	.3464-02	2.195	15.72	551.8
93	.30000	.40000	850.00	.5640-01	.4650-01	.5430-01	.1958-02	.1614-02	.1884-02	1.181	8.447	553.6
93	.30000	.50000	851.00	.4240-01	.3190-01	.4110-01	.1472-02	.1213-02	.1427-02	.8860	6.546	554.6
93	.30000	.60000	852.00	.4250-01	.3500-01	.4120-01	.1476-02	.1216-02	.1430-02	.8900	6.575	553.7
93	.30000	.70000	853.00	.4610-01	.3800-01	.4480-01	.1501-02	.1321-02	.1554-02	.9700	6.950	550.5
93	.30000	.80000	854.00	.5650-01	.4670-01	.5510-01	.1961-02	.1620-02	.1911-02	1.199	8.903	544.9
93	.30000	.90000	855.00	.4020-01	.3340-01	.4020-01	.1397-02	.1160-02	.1395-02	.8790	6.472	527.6
93	.30000	.00000	856.00	.3970-01	.3300-01	.4000-01	.1379-02	.1147-02	.1350-02	.8740	6.348	523.0
93	.30000	.00000	857.00	.1109	.9150-01	.9500-01	.3848-02	.3177-02	.3332-02	2.342	20.03	548.0
93	.40000	.00000	858.00	.1820	.1490	.1565	.6317-02	.5171-02	.5434-02	3.663	36.49	576.8
93	.40000	.50000-01	859.00	.3483	.2846	.3200	.1209-01	.9878-02	.1111-01	6.937	48.89	583.0
93	.40000	.10000+00	860.00	.2217	.1820	.2092	.7596-02	.6316-02	.7260-02	4.528	32.15	568.2
93	.40000	.20000	861.00	.1228	.1011	.1182	.4262-02	.3511-02	.4104-02	2.554	18.84	557.4
93	.40000	.30000	862.00	.9310-01	.7670-01	.9020-01	.3232-02	.2661-02	.3132-02	1.935	13.81	558.1

AEDC VKF V41B-57A (OH-498) COLLATION DECK
OH-498 (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	HITAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTM T DEG. R /SEC	TH DEG. R
93	40000	40000	863.00	7500-01	6180-01	7270-01	2604-02	2144-02	2524-02	1.561	11.91	557.1
93	40000	60000	864.00	8220-01	6780-01	7950-01	2653-02	2353-02	2759-02	1.725	11.60	552.0
93	40000	70000	865.00	8510-01	7030-01	8250-01	2955-02	2439-02	2865-02	1.795	12.09	549.1
93	40000	75000	866.00	7490-01	6180-01	7290-01	2598-02	2147-02	2529-02	1.588	11.78	545.7
93	40000	85000	867.00	6620-01	5480-01	6550-01	2298-02	1902-02	2273-02	1.421	10.77	538.0
93	40000	90000	868.00	5460-01	4530-01	5490-01	1895-02	1571-02	1906-02	1.182	10.18	533.0
93	40000	95000	869.00	4640-01	3850-01	4700-01	1610-02	1336-02	1631-02	1.010	8.244	529.4
93	50000	00000	871.00	5397	4343	4582	1873-01	1508-01	1590-01	9.926	78.61	626.8
93	50000	50000-01	872.00	3502	2858	3234	1216-01	9921-02	1123-01	6.933	52.14	586.4
93	50000	10000+00	873.00	2067	1697	1957	7173-02	5892-02	6827-02	4.238	31.13	565.8
93	50000	20000	874.00	1417	1167	1367	4917-02	4049-02	4746-02	2.949	21.06	556.9
93	50000	30000	875.00	1148	9460-01	1110	3985-02	3283-02	3855-02	2.395	17.11	555.7
93	50000	40000	876.00	1000+00	8240-01	9690-01	3473-02	2859-02	3363-02	2.081	14.85	557.5
93	50000	60000	877.00	7230-01	5960-01	7010-01	2509-02	2068-02	2432-02	1.514	10.49	553.1
93	50000	90000	878.00	4340-01	3590-01	4220-01	1506-02	1248-02	1464-02	0.950	7.348	535.2
93	55000	00000	879.00	6994	5476	5811	2424-01	1901-01	2017-01	11.31	90.29	690.0
93	60000	00000	880.00	4505	3612	3813	1564-01	1254-01	1324-01	8.125	72.03	637.1
93	60000	25000-01	881.00	5033	4073	4517	1747-01	1414-01	1568-01	9.523	70.74	611.6
93	60000	50000-01	882.00	2858	2330	2646	9921-02	8087-02	9185-02	5.622	53.22	590.0
93	60000	75000-01	883.00	2916	2387	2757	1012-01	8284-02	9569-02	5.862	42.81	577.5
93	60000	10000+00	884.00	2163	1778	2069	7509-02	6173-02	7180-02	4.457	31.73	563.1
93	60000	20000	885.00	1433	1180	1387	4976-02	4097-02	4813-02	2.980	21.27	557.7
93	60000	30000	886.00	1384	1139	1338	4804-02	3952-02	4646-02	2.865	19.18	560.4
93	60000	40000	887.00	1232	1013	1190	4276-02	3517-02	4130-02	2.546	17.58	561.1
93	60000	50000	888.00	1095	9010-01	1061	3632-02	3129-02	3593-02	2.271	15.69	559.4
93	60000	9060-01	889.00	9060-01	7460-01	8780-01	3144-02	2590-02	3048-02	1.174	13.08	555.6
93	60000	80000	891.00	5540-01	4580-01	5480-01	1923-02	1589-02	1902-02	1.174	8.713	545.9
93	60000	85000	892.00	6330-01	5240-01	6290-01	2199-02	1818-02	2185-02	1.351	9.874	542.3
93	60000	90000	893.00	5290-01	4380-01	5340-01	1838-02	1522-02	1852-02	1.139	8.630	537.0
93	65000	95000	894.00	4040-01	3350-01	4100-01	1404-02	1164-02	1422-02	0.876	6.650	532.8
93	65000	00000	895.00	3298	2669	2812	1145-01	9263-02	9761-02	6.236	51.66	612.0
93	70000	00000	896.00	1578	1288	1354	5478-02	4471-02	4701-02	3.123	40.07	586.6
93	70000	25000-01	897.00	2226	1825	2005	7728-02	6333-02	6960-02	4.510	41.26	573.0
93	70000	10000+00	898.00	2145	1763	2046	7445-02	6120-02	7103-02	4.421	30.49	562.9
93	70000	20000	899.00	1753	1444	1690	6085-02	5012-02	5587-02	3.649	22.43	557.1
93	70000	30000	900.00	1432	1180	1387	4972-02	4095-02	4815-02	2.985	18.36	556.3
93	70000	40000	901.00	1236	1017	1197	4290-02	3529-02	4155-02	2.556	16.13	560.9
93	73000	60000	902.00	1108	9120-01	1074	3647-02	3165-02	3723-02	2.295	14.49	560.0
93	70000	903.00	903.00	5920-01	4900-01	5960-01	2055-02	1699-02	2067-02	1.262	9.076	542.6
93	75000	00000	904.00	2118	1738	1825	7353-02	6032-01	6336-02	4.314	33.88	569.9
93	75000	25000-01	905.00	3109	2530	2784	1079-01	8782-02	9552-02	6.063	47.03	594.9
93	75000	50000-01	906.00	2823	2315	2638	9799-02	8036-02	9156-02	5.739	42.05	571.0
93	75000	10000+00	907.00	2264	1859	2159	7858-02	6454-02	7495-02	4.641	31.96	566.0

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-49B) COLLATION CHECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL03)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
93	.75000	.20000	908.00	.1568	.1291	.1512	.5441-02	.4481-02	.5249-02	3.265	22.59	556.7
93	.75000	.30000	909.00	.1300	.1072	.1257	.4513-02	.4481-02	.4365-02	2.723	17.26	553.3
93	.75000	.40000	910.00	.1161	.9560-01	.1123	.4031-02	.3317-02	.3899-02	2.406	15.64	559.9
93	.75000	.60000	911.00	.1058	.8700-01	.1025	.3672-02	.3021-02	.3559-02	2.192	14.68	559.8
93	.75000	.80000	912.00	.6360-01	.5740-01	.6890-01	.2415-02	.1991-02	.2309-02	1.456	11.96	553.8
93	.75000	.90000	913.00	.6150-01	.5080-01	.6180-01	.2134-02	.1764-02	.2145-02	1.310	9.570	543.0
93	.75000	.95000	914.00	.4310-01	.3570-01	.4360-01	.1406-02	.1237-02	.1513-02	.9220	6.974	540.3
93	.80000	.00000	915.00	.3207	.2596	.2735	.1113-01	.9010-02	.9492-02	6.077	54.57	610.7
93	.80000	.20000	916.00	.2789	.2283	.2689	.9682-02	.7926-02	.9334-02	5.617	38.47	576.6
93	.80000	.40000	917.00	.1448	.1190	.1399	.5026-02	.4132-02	.4654-02	2.987	21.27	562.2
93	.80000	.60000	918.00	.6550-01	.5410-01	.6590-01	.2275-02	.1879-02	.2286-02	1.387	10.11	547.1
93	.85000	.00000	919.00	.3916	.3169	.3339	.1359-01	.1100-01	.1159-01	7.405	56.96	612.0
93	.85000	.20000	920.00	.2575	.2112	.2478	.8949-02	.7331-02	.8601-02	5.238	37.14	570.8
93	.85000	.40000	921.00	.3721	.3030	.3583	.1291-01	.1052-01	.1244-01	7.287	52.83	592.4
93	.90000	.00000	922.00	.2261	.1848	.1943	.7847-02	.6414-02	.6743-02	4.517	35.28	581.1
93	.90000	.10000+00	923.00	.2278	.1871	.2180	.7907-02	.6493-02	.7567-02	4.668	34.28	566.3
93	.90000	.20000	924.00	.1891	.1554	.1816	.6562-02	.5394-02	.6303-02	3.693	27.71	563.4
93	.90000	.30000	925.00	.2172	.1784	.2093	.7539-02	.6191-02	.7264-02	4.449	31.61	566.6
93	.90000	.40000	926.00	.3346	.2730	.3227	.1161-01	.9478-02	.1120-01	6.620	46.57	573.7
93	.90000	.50000	927.00	.2349	.1925	.2317	.8155-02	.6682-02	.8044-02	4.754	35.61	573.7
93	.90000	.60000	928.00	.1564	.1286	.1576	.5430-02	.4464-02	.5470-02	3.224	25.41	563.0
93	.95000	.00000	929.00	.1290	.1064	.1116	.4477-02	.3693-02	.3874-02	2.708	20.03	551.9
93	.95000	.10000-01	930.00	.1796	.1477	.1683	.6234-02	.5127-02	.5844-02	3.711	26.44	561.4
93	.95000	.20000+00	931.00	.1738	.1479	.1712	.6242-02	.5133-02	.5942-02	3.711	27.31	562.2
93	.95000	.30000	932.00	.1844	.1515	.1775	.6400-02	.5261-02	.6161-02	3.802	26.22	562.6
93	.95000	.40000	933.00	.1727	.1420	.1667	.5996-02	.4929-02	.5785-02	3.559	25.33	563.1
93	.95000	.50000	934.00	.1861	.1528	.1800	.6461-02	.5305-02	.6246-02	3.808	27.95	567.3
93	.95000	.60000	935.00	.1959	.1607	.1911	.6799-02	.5578-02	.6432-02	3.991	29.75	569.7
93	.95000	.70000	936.00	.1875	.1541	.1862	.6508-02	.5350-02	.6464-02	3.861	28.40	563.4
93	.95000	.80000	937.00	.1317	.1085	.1325	.4572-02	.3767-02	.4600-02	2.751	20.66	554.9

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AEDC VKF V41B-57A (OH-498) COLLATION CHECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L03)

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PC PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
73	7.990	2.486	30.07	.0000	180.0	544.6	.5600-01	1305.	94.80	2.513	3812.	.4977-04
74	7.990	2.513	30.07	.0000	180.0	547.2	.5700-01	1300.	94.40	2.525	3804.	.5021-04
75	7.990	2.521	30.08	.0000	180.0	546.9	.5600-01	1297.	94.20	2.524	3800.	.5031-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R F12SEC	ST FR R =
73	.7632-07	.3896-01		0.0175
74	.7601-07	.3902-01		.2585-01
75	.7583-07	.3900-01		.2572-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(11A) BTU/ R F12SEC	QDOT BTU/ R F12SEC	DTWOT DEG. R /SEC	TW DEG. R
75	.30000	.00000	845.00	.3970-01	.3290-01	.3440-01	.1548-02	.1281-02	.1343-02	.9850	10.76	543.2
75	.30000	.50000-01	846.00	.1225	.1004	.1149	.4775-02	.3917-02	.4482-02	2.826	30.99	575.2
75	.30000	.10000+00	847.00	.1153	.9490-01	.1083	.4497-02	.3700-02	.4249-02	2.705	22.92	565.7
75	.30000	.20000	848.00	.1047	.8630-01	.9990-01	.4082-02	.3364-02	.3895-02	2.481	17.69	559.3
75	.30000	.40000	850.00	.5370-01	.4420-01	.5170-01	.2095-02	.1725-02	.2015-02	1.266	9.013	562.7
75	.30000	.50000	851.00	.4390-01	.3610-01	.4250-01	.1712-02	.1403-02	.1659-02	1.032	7.587	564.2
75	.30000	.60000	852.00	.4960-01	.4080-01	.4800-01	.1534-02	.1292-02	.1874-02	1.168	8.588	563.2
75	.30000	.70000	853.00	.6270-01	.5160-01	.6080-01	.2444-02	.2013-02	.2372-02	1.479	10.53	561.9
75	.30000	.80000	854.00	.5980-01	.7350-01	.8700-01	.3477-02	.2865-02	.3394-02	2.109	15.53	560.7
75	.30000	.90000	855.00	.5980-01	.4360-01	.5970-01	.2333-02	.1934-02	.2330-02	1.465	10.72	539.3
75	.35000	.00000	856.00	.5600-01	.4650-01	.5640-01	.2184-02	.1812-02	.2201-02	1.380	9.961	535.2
75	.40000	.00000	857.00	.1008	.0310-01	.8720-01	.3930-02	.3240-02	.3399-02	2.392	20.35	558.4
75	.40000	.50000-01	858.00	.1816	.1482	.1558	.7083-02	.5779-02	.6078-02	4.071	40.24	592.3
75	.40000	.10000+00	859.00	.3419	.2783	.3135	.1333-01	.1085-01	.1223-01	7.558	52.81	600.3
75	.40000	.20000	860.00	.2201	.1801	.2074	.8583-02	.7023-02	.6089-02	5.010	35.30	583.4
75	.40000	.30000	861.00	.1195	.9810-01	.1150	.4659-02	.3827-02	.4484-02	2.781	20.38	570.1
75	.40000	.40000	862.00	.9320-01	.7660-01	.9030-01	.3634-02	.2986-02	.3520-02	2.171	15.40	569.6

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L03)

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11W) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEC. R /SEC	TH DEC. R
75	40000	40000	863.00	7900-01	6490-01	7650-01	3079-02	2531-02	2984-02	1.845	14.00	568.0
75	40000	60000	864.00	8680-01	7150-01	8390-01	3395-02	2786-02	3272-02	2.045	13.67	563.0
75	40000	70000	865.00	1015	8350-01	9830-01	3957-02	3258-02	3834-02	2.393	16.01	562.3
75	40000	75000	866.00	8560-01	7380-01	8720-01	3493-02	2879-02	3399-02	2.124	15.66	558.9
75	40000	85000	867.00	8220-01	6790-01	8130-01	3204-02	2648-02	3169-02	1.980	14.91	549.2
75	40000	90000	868.00	6670-01	5520-01	6710-01	2602-02	2153-02	2618-02	1.618	13.86	545.2
75	40000	95000	869.00	5830-01	4830-01	5910-01	2273-02	1883-02	2303-02	1.423	11.54	541.2
75	50000	00000	871.00	5359	4283	4526	2090-01	1670-01	1765-01	10.79	84.52	650.5
75	50000	50000-01	872.00	3525	2863	3249	1375-01	1117-01	1267-01	7.709	57.41	606.3
75	50000	10000+00	873.00	2075	1699	1973	8033-02	6625-02	7694-02	4.736	34.51	581.9
75	50000	20000	874.00	1399	1149	1349	5454-02	4480-02	5261-02	3.253	23.07	570.7
75	50000	30000	875.00	1194	9810-01	1154	4655-02	3927-02	4501-02	2.788	19.79	568.3
75	50000	40000	876.00	1003	8250-01	9710-01	3912-02	3217-02	3787-02	2.347	16.07	567.2
75	50000	50000	877.00	8120-01	6680-01	7870-01	3167-02	2605-02	3069-02	1.906	13.13	565.1
75	50000	60000	878.00	5320-01	4400-01	5170-01	2073-02	1715-02	2015-02	1.288	10.06	545.6
75	50000	70000	879.00	6540	5071	5394	2551-01	1977-01	2104-01	11.41	89.81	719.6
75	60000	00000	880.00	4497	3579	3785	1754-01	1356-01	1476-01	8.867	77.70	661.4
75	60000	25000-01	881.00	4988	4011	4461	1945-01	1564-01	1739-01	10.36	76.10	634.5
75	60000	50000-01	882.00	2887	2341	2668	1126-01	9131-02	1040-01	6.262	58.67	610.9
75	60000	75000-01	883.00	2934	2390	2770	1144-01	9320-02	1080-01	6.518	47.13	597.4
75	60000	10000+00	884.00	2170	1777	2073	8464-02	6928-02	8084-02	4.952	34.92	582.0
75	60000	20000	885.00	1482	1217	1433	5760-02	4744-02	5582-02	3.433	24.31	573.2
75	60000	30000	886.00	1420	1165	1373	5538-02	4544-02	5353-02	3.283	21.83	574.1
75	60000	40000	887.00	1238	1016	1195	4827-02	3561-02	4661-02	2.864	19.64	573.8
75	60000	50000	888.00	1103	9060-01	1068	4300-02	3533-02	4165-02	2.568	17.65	569.8
75	60000	60000	889.00	9180-01	7550-01	8900-01	3580-02	2943-02	3469-02	2.147	14.77	567.3
75	60000	80000	890.00	5770-01	4760-01	5700-01	2249-02	1856-02	2224-02	1.376	10.16	555.3
75	60000	90000	891.00	6700-01	5130-01	6660-01	2613-02	2158-02	2597-02	1.607	11.69	552.0
75	60000	95000	892.00	5630-01	4560-01	5670-01	2195-02	1815-02	2213-02	1.361	10.26	547.0
75	60000	00000	893.00	4140-01	3420-01	4190-01	1613-02	1335-02	1634-02	1.007	7.608	542.8
75	65000	00000	895.00	3265	2632	2777	1275-01	1027-01	1183-01	6.840	56.16	630.4
75	70000	00000	896.00	1575	1282	1349	6142-02	4993-02	5261-02	3.483	44.38	600.1
75	70000	25000-01	897.00	2251	1840	2025	8780-02	7175-02	7895-02	5.089	46.22	587.5
75	70000	50000	898.00	2114	1732	2015	8246-02	6754-02	7859-02	4.343	44.38	579.8
75	70000	75000	899.00	1756	1443	1692	8246-02	6754-02	7859-02	4.055	24.70	575.0
75	70000	10000+00	900.00	1443	1165	1397	5628-02	4621-02	5448-02	3.350	20.44	571.9
75	70000	20000	901.00	1256	1031	1216	4899-02	4022-02	4742-02	2.914	18.29	572.1
75	70000	30000	902.00	1153	9470-01	1117	4497-02	3694-02	4358-02	2.685	16.87	570.0
75	70000	40000	903.00	6370-01	5270-01	6410-01	2425-02	2053-02	2501-02	1.529	10.95	551.9
75	75000	00000	904.00	2315	1890	1987	9028-02	7369-02	7749-02	5.198	40.40	591.3
75	75000	25000-01	905.00	3175	2573	2836	1239-01	1003-01	1106-01	6.865	52.79	612.6
75	75000	50000-01	906.00	2990	2441	2789	1156-01	9520-02	1088-01	6.727	48.82	590.1
75	75000	10000+00	907.00	2455	2006	2239	9576-02	7823-02	9121-02	5.542	37.74	588.3

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-VSB) COLLATION CHECK

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OH-VSB (AEDC V41B-57A) ORBITER LOWER WING

(RVIL03)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T01 BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1TAN) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	OTDOT DEG. R /SEC	TW DEG. R
75	75000	20000	908.00	.1713	.1405	.1651	.6679-02	.5476-02	.6438-02	3.949	27.06	575.7
75	75000	30000	909.00	.1292	.1062	.1249	.5040-02	.4141-02	.4671-02	3.011	18.92	569.6
75	75000	40000	910.00	.1193	.9710-01	.1144	.4614-02	.3788-02	.4461-02	2.744	17.73	572.4
75	75000	60000	911.00	.1135	.9330-01	.1100	.4427-02	.3637-02	.4290-02	2.645	17.62	569.7
75	75000	80000	912.00	.7360-01	.6050-01	.7270-01	.2870-02	.2362-02	.2837-02	1.731	14.15	563.7
75	75000	90000	913.00	.6570-01	.5420-01	.6600-01	.2561-02	.2115-02	.2575-02	1.574	11.45	552.3
75	75000	95000	914.00	.4570-01	.3780-01	.4630-01	.1783-02	.1474-02	.1804-02	1.103	8.309	548.6
75	80000	00000	915.00	.3245	.2615	.2758	.1265-01	.1020-01	.1076-01	6.814	60.65	628.6
75	80000	20000	916.00	.3745	.3042	.3605	.1460-01	.1166-01	.1406-01	8.196	55.33	605.9
75	80000	40000	917.00	.1620	.1326	.1563	.6317-02	.5173-02	.6097-02	3.703	26.12	580.9
75	80000	60000	918.00	.6740-01	.5560-01	.6770-01	.2529-02	.2168-02	.2642-02	1.606	11.66	556.3
75	85000	00000	919.00	.3912	.3153	.3325	.1526-01	.1229-01	.1297-01	8.213	52.66	628.7
75	75000	20000	920.00	.3245	.2643	.3118	.1265-01	.1031-01	.1216-01	7.208	50.43	597.5
75	85000	40000	921.00	.4236	.3433	.4075	.1652-01	.1339-01	.1569-01	9.153	65.68	613.0
75	90000	00000	922.00	.2253	.1838	.1933	.8785-02	.7166-02	.7537-02	5.043	39.16	593.0
75	90000	10000+00	923.00	.2283	.1871	.2184	.8903-02	.7297-02	.8516-02	5.247	38.32	577.6
75	90000	20000	924.00	.2181	.1787	.2093	.6504-02	.6959-02	.8162-02	5.008	35.38	578.1
75	90000	30000	925.00	.3043	.2482	.2928	.1107-01	.9680-02	.1142-02	6.809	47.74	593.4
75	90000	50000	926.00	.3618	.2941	.3487	.1411-01	.1147-01	.1360-01	7.948	55.44	603.8
75	90000	80000	927.00	.2626	.2146	.2590	.1024-01	.8367-02	.1010-01	5.927	45.32	588.4
75	90000	90000	928.00	.1955	.1603	.1970	.7025-02	.6251-02	.7661-02	4.500	35.22	576.9
75	95000	00000	929.00	.1254	.1033	.1084	.4889-02	.4028-02	.4227-02	2.967	21.86	560.1
75	95000	50000-01	930.00	.1774	.1457	.1662	.6919-02	.5682-02	.6482-02	4.121	29.21	571.4
75	95000	10000+00	931.00	.1776	.1458	.1690	.6927-02	.5687-02	.6592-02	4.110	30.15	572.5
75	95000	20000	932.00	.1801	.1478	.1733	.7024-02	.5764-02	.6759-02	4.169	28.60	573.6
75	95000	30000	933.00	.2046	.1677	.1973	.7960-02	.6540-02	.7694-02	4.700	33.21	578.0
75	95000	50000	934.00	.2455	.2006	.2372	.9579-02	.7823-02	.9251-02	5.532	40.16	589.6
75	95000	70000	935.00	.2068	.1693	.2016	.8063-02	.6601-02	.7862-02	4.719	34.97	581.8
75	95000	80000	936.00	.2018	.1655	.2004	.7868-02	.6453-02	.7814-02	4.659	34.07	574.9
75	95000	90000	937.00	.1433	.1179	.1442	.5589-02	.4598-02	.5623-02	3.364	25.13	565.2

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L03)

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
52	7.990	2.989	30.06	.0000	180.0	673.3	.7000-01	1330.	96.60	3.107	3247.	.6040-04
53	7.990	2.992	30.07	.0000	180.0	674.8	.7000-01	1331.	96.60	3.114	3849.	.6049-04
54	7.990	2.975	30.07	.0000	180.0	673.1	.7000-01	1334.	96.90	3.106	3853.	.6020-04

RUN NUMBER	MJ	LB-SEC /FT2	ST FR P =
52	.7775-07	4346-01	0.0175
53	.7781-07	4351-01	.2351-01
54	.7793-07	4347-01	.2355-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
54	30000	.0000	845.00	.3980-01	.3300-01	.3450-01	.1731-02	.1433-02	.1502-02	1.112	12.30	557.9
54	30000	.5000-01	846.00	.1222	.1002	.1147	.5314-02	.4356-02	.4987-02	3.223	35.02	593.8
54	30000	.1000-00	847.00	.1092	.8930-01	.1032	.4748-02	.3904-02	.4485-02	2.929	24.61	583.4
54	30000	.2000	848.00	.1053	.8680-01	.1005	.4579-02	.3773-02	.4363-02	2.860	20.23	575.6
54	30000	.4000	850.00	.5320-01	.4360-01	.5120-01	.2312-02	.1904-02	.2224-02	1.438	10.16	578.3
54	30000	.5000	851.00	.4560-01	.3750-01	.4420-01	.1933-02	.1632-02	.1932-02	1.232	8.990	578.9
54	30000	.6000	852.00	.6280-01	.5000-01	.5830-01	.2643-02	.2176-02	.2551-02	1.641	11.97	579.6
54	30000	.7000	853.00	.8340-01	.6860-01	.8030-01	.3626-02	.2983-02	.3519-02	2.244	15.83	581.3
54	30000	.8000	854.00	.1257	.034	.1227	.5466-02	.4497-02	.5334-02	3.383	24.66	581.4
54	30000	.9000	855.00	.7790-01	.6440-01	.7780-01	.3387-02	.2801-02	.3382-02	2.161	15.64	562.1
54	30000	.9500	856.00	.7240-01	.5990-01	.7300-01	.3147-02	.2605-02	.3172-02	2.019	14.40	558.7
54	30000	.0000	857.00	.1108	.9140-01	.9590-01	.4917-02	.3973-02	.4168-02	3.021	25.51	573.2
54	40000	.0000	858.00	.1792	.1461	.1536	.7791-02	.6350-02	.6679-02	4.578	44.80	612.7
54	40000	.5000-01	859.00	.3484	.2631	.3193	.1515-01	.1231-01	.1358-01	8.759	60.56	622.0
54	40000	.1000-00	860.00	.2187	.1788	.206	.9509-02	.7773-02	.8359-02	5.677	59.62	603.2
54	40000	.2000	861.00	.1190	.9770-01	.1145	.5174-02	.4249-02	.4930-02	3.168	23.01	588.0
54	40000	.3000	862.00	.9570-01	.7870-01	.9270-01	.4162-02	.3421-02	.4032-02	2.562	18.04	584.6

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(RVIL03)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(9T0) BTU/ R FT2SEC	H(1T0) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
54	40000	40000	863.00	8060-01	8620-01	7810-01	3503-02	2879-02	3395-02	2.157	16.24	584.3
54	40000	60000	864.00	9850-01	8110-01	9530-01	4284-02	3528-02	4142-02	2.664	17.68	578.5
54	40000	70000	865.00	1181	9730-01	1145	5136-02	4228-02	4977-02	3.189	21.15	579.4
54	40000	75000	866.00	1039	8560-01	101	4516-02	3721-02	4394-02	2.819	20.60	576.2
54	40000	85000	867.00	9630-01	7950-01	9520-01	4186-02	3457-02	4140-02	2.650	19.78	567.2
54	40000	90000	868.00	7930-01	6550-01	7970-01	3446-02	2848-02	3467-02	2.190	18.58	564.6
54	40000	95000	869.00	7090-01	5860-01	7180-01	3080-02	2547-02	3121-02	1.963	15.75	563.0
54	50000	00000	871.00	5460	4348	4598	2374-01	1891-01	1999-01	12.38	95.65	678.7
54	50000	50000-01	872.00	3548	2875	3267	1543-01	1250-01	1420-01	8.792	64.72	630.3
54	50000	10000+00	873.00	2102	1719	1998	9137-02	7471-02	8685-02	5.465	39.43	602.1
54	50000	20000	874.00	1406	1154	1356	6111-02	5017-02	5835-02	3.736	26.25	555.9
54	50000	30000	875.00	1222	1004	118	5311-02	4354-02	5135-02	3.266	22.99	585.3
54	50000	40000	876.00	1042	8560-01	1008	4528-02	3723-02	4384-02	2.793	19.68	583.4
54	50000	60000	877.00	8950-01	7360-01	8670-01	3899-02	3199-02	3770-02	2.405	16.43	582.0
54	50000	90000	878.00	6410-01	5300-01	6230-01	2788-02	2303-02	2709-02	1.772	13.71	564.8
54	55000	00000	879.00	6503	5005	5333	2827-01	2176-01	2318-01	12.60	97.57	754.6
54	60000	00000	880.00	4655	3685	3902	2024-01	1602-01	1696-01	10.25	88.48	693.7
54	60000	25000-01	881.00	5052	4044	4507	2197-01	1758-01	1950-01	11.75	85.06	665.3
54	60000	50000-01	882.00	2887	2332	2654	1255-01	1014-01	1158-01	7.041	65.07	639.3
54	60000	75000-01	883.00	2900	2354	2735	1261-01	1024-01	1189-01	7.262	51.83	624.2
54	60000	884.00	884.00	1764	1243	1465	9331-02	5406-02	6369-02	5.583	38.91	605.8
54	60000	885.00	885.00	1516	1243	1465	6065-02	4975-02	5662-02	3.692	24.34	591.5
54	60000	886.00	886.00	1395	1144	1348	5574-02	4574-02	5392-02	3.401	23.14	590.1
54	60000	887.00	887.00	1282	1052	1238	5125-02	4212-02	4964-02	3.154	21.52	584.8
54	60000	888.00	888.00	1179	9890-01	1142	4185-02	3444-02	4057-02	2.594	17.74	580.3
54	60000	889.00	889.00	9530-01	7920-01	9330-01	3719-02	3061-02	3629-02	2.308	16.30	579.5
54	60000	890.00	890.00	6550-01	7040-01	8350-01	2772-02	2288-02	2741-02	1.747	12.80	570.0
54	60000	891.00	891.00	6380-01	5260-01	6310-01	3126-02	2592-02	3106-02	1.980	14.30	566.8
54	60000	892.00	892.00	7190-01	5940-01	7140-01	2519-02	2163-02	2640-02	1.670	12.50	562.4
54	60000	893.00	893.00	4630-01	4930-01	6070-01	2033-02	1533-02	2059-02	1.307	9.806	557.2
54	60000	894.00	894.00	4630-01	3870-01	4740-01	1429-01	1149-01	1212-01	7.821	63.51	653.0
54	65000	00000	895.00	3287	2643	2789	6949-02	5651-02	5948-02	4.036	50.95	619.4
54	70000	00000	896.00	1598	1300	1358	9910-02	8069-02	8906-02	5.872	52.81	607.7
54	70000	25000-01	897.00	2279	1661	2049	9332-02	7531-02	8891-02	5.581	37.74	602.2
54	70000	10000+00	898.00	2147	1755	2045	7791-02	6389-02	7505-02	4.734	28.59	582.7
54	70000	20000	899.00	1792	1470	1726	6128-02	5281-02	6224-02	3.945	23.90	585.5
54	70000	30000	900.00	1479	1215	1436	5713-02	4694-02	553-02	3.512	21.90	582.8
54	70000	40000	901.00	1314	1080	1272	5561-02	4573-02	5390-02	3.433	21.43	582.8
54	70000	60000	902.00	1279	1052	1240	3465-02	2863-02	3466-02	2.198	15.32	565.9
54	70000	903.00	903.00	7970-01	6590-01	8020-01	9777-02	8003-02	8410-02	5.882	45.55	598.6
54	75000	00000	904.00	2249	1841	1934	1438-01	1163-01	1283-01	8.122	61.77	635.5
54	75000	25000-01	905.00	3308	2676	2952	1457-01	1187-01	1358-01	8.529	61.15	614.8
54	75000	50000-01	906.00	3351	2729	3123						

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAN)	H(910) BTU/ R FT2SEC	H(101) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
54	.75000	.10000+00	907.00	.2977	.2425	.2833	.1294-01	.1054-01	.1232-01	7.580	50.95	614.5
54	.75000	.20000	908.00	.1797	.1473	.1732	.7811-02	.6403-02	.7528-02	4.738	32.18	593.6
54	.75000	.30000	909.00	.1340	.1101	.1295	.5824-02	.4788-02	.5629-02	3.590	22.40	583.9
54	.75000	.40000	910.00	.1218	.1021	.1178	.5296-02	.4353-02	.5121-02	3.260	20.93	584.7
54	.75000	.60000	911.00	.1189	.9790-01	.1153	.5171-02	.4255-02	.5012-02	3.204	21.23	580.7
54	.75000	.80000	912.00	.9510-01	.7840-01	.9400-01	.4133-02	.3407-02	.4086-02	2.587	21.03	574.3
54	.75000	.90000	913.00	.8790-01	.7270-01	.8840-01	.3822-02	.3160-02	.3843-02	2.434	17.61	563.4
54	.75000	.95000	914.00	.6450-01	.5340-01	.6530-01	.2806-02	.2321-02	.2839-02	1.791	13.40	562.0
54	.80000	.00000	915.00	.3356	.2703	.2851	.1459-01	.1175-01	.1239-01	8.055	71.03	648.2
54	.80000	.20000	916.00	.4367	.3542	.4202	.1898-01	.1540-01	.1827-01	10.88	72.65	627.4
54	.80000	.40000	917.00	.1794	.1471	.1732	.7801-02	.6393-02	.7530-02	4.726	33.12	594.4
54	.80000	.60000	918.00	.7820-01	.6460-01	.7860-01	.3400-02	.2808-02	.3417-02	2.153	15.55	566.9
54	.85000	.00000	919.00	.3937	.3222	.3398	.1738-01	.1401-01	.1477-01	9.636	72.92	645.8
54	.85000	.20000	920.00	.3993	.3245	.3835	.1736-01	.1411-01	.1667-01	10.05	69.48	621.5
54	.85000	.40000	921.00	.4516	.3660	.4343	.1463-01	.1591-01	.1889-01	11.20	79.71	629.9
54	.90000	.00000	922.00	.2260	.1847	.1942	.9827-02	.8031-02	.8443-02	5.861	45.26	603.8
54	.90000	.10000+00	923.00	.2411	.1980	.2307	.1048-01	.8607-02	.1003-01	6.416	46.61	587.2
54	.90000	.20000	924.00	.2742	.2244	.2631	.1192-01	.9755-02	.1144-01	7.161	50.05	599.6
54	.90000	.30000	925.00	.3725	.3030	.3582	.1619-01	.1317-01	.1557-01	9.421	65.25	618.5
54	.90000	.50000	926.00	.3900	.3173	.3759	.1695-01	.1380-01	.1634-01	9.875	68.42	617.8
54	.90000	.80000	927.00	.2802	.2293	.2764	.1218-01	.9970-02	.1202-01	7.319	55.66	599.5
54	.90000	.90000	928.00	.2179	.1789	.2195	.9474-02	.7779-02	.9544-02	5.798	45.12	588.3
54	.95000	.00000	929.00	.1253	.1035	.1085	.5446-02	.4500-02	.4718-02	3.454	25.37	566.0
54	.95000	.50000-01	930.00	.1812	.1491	.1699	.7876-02	.6484-02	.7396-02	4.833	34.55	579.1
54	.95000	.10000+00	931.00	.1806	.1486	.1720	.7853-02	.6462-02	.7477-02	4.866	35.48	580.6
54	.95000	.20000	932.00	.2055	.1689	.1978	.2935-02	.7344-02	.8601-02	5.500	37.52	584.7
54	.95000	.30000	933.00	.2751	.2251	.2652	.1196-01	.9785-02	.1153-01	7.172	50.11	600.6
54	.95000	.50000	934.00	.2781	.2273	.2687	.1203-01	.9883-02	.1168-01	7.215	52.01	603.6
54	.95000	.70000	935.00	.2219	.1820	.2164	.9645-02	.7912-02	.9408-02	5.872	43.30	591.5
54	.95000	.80000	936.00	.2116	.1740	.2102	.9199-02	.7563-02	.9136-02	5.670	41.27	583.9
54	.95000	.90000	937.00	.1546	.1275	.1555	.6720-02	.5541-02	.6762-02	4.211	31.33	573.7

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04-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
34	8.000	3.293	30.09	.0000	180.0	762.3	.7800-01	1351.	97.90	3.498	3978.	.6692-04
35	8.000	3.311	30.09	.0000	180.0	760.5	.7800-01	1344.	97.40	3.490	3868.	.6711-04
36	8.000	3.342	30.11	.0000	180.0	762.1	.7800-01	1337.	96.90	3.497	3859.	.6758-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
34	.7881-07	.4624-01		0.0175
35	.7840-07	.4614-01		.2237-01
36	.7803-07	.4615-01		.2224-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19T01 BTU/ R FT ² SEC	H1T01 BTU/ R FT ² SEC	H1T01 BTU/ R FT ² SEC	H1TAW BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTWOT DEG. R /SEC	TH DEG. R
35	.30000	.50000-01	846.00	.1188	.5730-01	.1114	.5484-02	.4490-02	.4490-02	.5143-02	3.312	35.89	599.7
36	.30000	.10000+00	847.00	.1068	.8770-01	.1008	.4930-02	.4049-02	.4049-02	.4654-02	3.032	25.41	588.6
36	.30000	.20000	848.00	.1028	.8460-01	.9800-01	.4744-02	.3916-02	.3916-02	.4525-02	2.954	20.84	580.9
36	.30000	.40000	850.00	.5420-01	.4450-01	.5210-01	.2500-02	.2055-02	.2055-02	.2403-02	1.545	10.87	585.6
36	.30000	.50000	851.00	.4860-01	.3990-01	.4710-01	.2243-02	.1843-02	.1843-02	.2173-02	1.383	10.06	586.8
36	.30000	.60000	852.00	.7152-01	.5870-01	.6930-01	.3301-02	.2711-02	.2711-02	.3197-02	2.030	14.74	588.7
36	.30000	.70000	853.00	.1047	.8500-01	.1015	.4833-02	.3968-02	.3968-02	.4686-02	2.967	20.84	589.7
36	.30000	.80000	854.00	.1542	.1265	.1504	.7116-02	.5838-02	.5838-02	.6940-02	4.349	31.52	592.5
36	.30000	.90000	855.00	.9700-01	.8020-01	.9689-01	.4476-02	.3700-02	.3700-02	.4469-02	2.854	20.62	586.0
36	.30000	.95000	856.00	.8700-01	.7200-01	.8770-01	.4017-02	.3324-02	.3324-02	.4048-02	2.577	18.35	562.1
36	.35000	.00000	857.00	.7840-01	.6290-01	.6610-01	.3527-02	.2905-02	.2905-02	.3049-02	2.205	18.57	578.5
36	.40000	.00000	858.00	.1775	.1444	.1520	.8194-02	.6663-02	.6663-02	.7014-02	4.771	46.50	621.3
36	.40000	.50000-01	859.00	.3438	.2786	.3146	.1587-01	.1266-01	.1266-01	.1452-01	9.064	62.35	632.5
36	.40000	.10000+00	860.00	.2218	.1809	.2088	.1024-01	.8250-02	.8250-02	.9638-02	6.054	42.05	612.4
36	.40000	.20000	861.00	.1219	.9990-01	.1172	.5626-02	.4611-02	.4611-02	.5411-02	3.418	24.73	596.1
36	.40000	.30000	862.00	.9590-01	.7860-01	.9280-01	.4423-02	.3629-02	.3629-02	.4282-02	2.702	18.95	592.7
36	.40000	.40000	863.00	.8260-01	.6780-01	.8000-01	.3810-02	.3128-02	.3128-02	.3691-02	2.337	17.59	590.3

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OH-49B (AEDC V41B-57A) CRBITER LOWER WING

(RVIL03)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19TO) BTU/ R F12SEC	H1TO) BTU/ R F12SEC	H1TAH) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMOT DEG. R /SEC	TM DEG. R
36	40000	60000	864.00	.1088	.8940-01	.1051	.5020-02	.4127-02	.4851-02	3.102	20.51	585.7
36	40000	70000	865.00	.1283	.1054	.1242	.5920-02	.4866-02	.5734-02	3.653	24.14	586.6
36	40000	75000	866.00	.1213	.9980-01	.1179	.5596-02	.4604-02	.5443-02	3.474	25.30	583.0
36	40000	85000	867.00	.1162	.9590-01	.1149	.5363-02	.4425-02	.5304-02	3.384	25.19	572.7
36	40000	90000	868.00	.9910-01	.8190-01	.9970-01	.4575-02	.3778-02	.4601-02	2.901	24.55	569.5
36	40000	95000	869.00	.8760-01	.7250-01	.8880-01	.4045-02	.3344-02	.4098-02	2.579	20.67	566.0
36	50000	00000	871.00	.5382	.4265	.4516	.2484-01	.1969-01	.2084-01	12.69	97.42	692.6
36	50000	.50000-01	872.00	.3595	.2904	.3305	.1659-01	.1340-01	.1526-01	9.323	68.24	641.9
36	50000	10000-00	873.00	.2050	.1676	.1948	.9463-02	.7738-02	.8933-02	5.676	40.91	603.9
36	50000	.20000	874.00	.1438	.1179	.1366	.6637-02	.5440-02	.6398-02	4.033	28.24	596.1
36	50000	30000	875.00	.1215	.9970-01	.1174	.5607-02	.4601-02	.5419-02	3.430	24.07	591.9
36	50000	40000	876.00	.1054	.8650-01	.1260	.4867-02	.3596-02	.4709-02	2.988	20.99	589.8
36	50000	50000	877.00	.9650-01	.7930-01	.9350-01	.4452-02	.3659-02	.4314-02	2.749	18.73	586.3
36	50000	60000	878.00	.6770-01	.5590-01	.6570-01	.3123-02	.2580-02	.3234-02	1.986	15.34	567.9
36	55000	00000	879.00	.6205	.4736	.5057	.2654-01	.2186-01	.2334-01	12.35	94.90	772.3
36	60000	00000	880.00	.4561	.3588	.3805	.2105-01	.1656-01	.1756-01	10.39	88.97	710.1
36	60000	.25000-01	881.00	.5758	.4584	.5121	.2658-01	.2116-01	.2363-01	13.87	99.65	681.7
36	60000	50000-01	882.00	.2947	.2371	.2714	.1360-01	.1094-01	.1253-01	7.486	68.72	653.4
36	60000	75000-01	883.00	.2998	.2425	.2824	.1384-01	.1119-01	.1303-01	7.841	55.61	637.0
36	60000	10000-00	884.00	.2270	.1849	.2165	.1047-01	.8535-02	.9992-02	6.164	42.76	615.2
36	60000	20000	885.00	.1552	.1271	.1459	.7163-02	.5657-02	.6920-02	4.338	30.35	598.1
36	60000	30000	886.00	.1510	.1237	.1459	.6568-02	.5708-02	.6732-02	4.221	27.74	597.9
36	60000	40000	887.00	.1395	.1143	.1346	.5754-02	.4724-02	.5572-02	3.913	26.55	595.9
36	60000	50000	888.00	.1247	.1023	.1207	.4907-02	.4034-02	.4755-02	3.033	20.68	585.6
36	60000	60000	889.00	.1063	.8740-01	.1070	.4343-02	.3573-02	.4237-02	2.697	19.01	582.8
36	60000	70000	890.00	.9410-01	.7740-01	.9160-01	.3205-02	.2644-02	.3169-02	2.019	14.77	573.8
36	60000	80000	891.00	.6940-01	.5730-01	.6870-01	.3632-02	.3000-02	.3509-02	2.305	16.63	568.9
36	60000	85000	892.00	.7870-01	.6500-01	.7820-01	.3079-02	.2546-02	.3133-02	1.905	14.68	565.5
36	60000	90000	893.00	.6670-01	.5520-01	.6720-01	.2329-02	.1929-02	.2359-02	1.499	11.23	559.9
36	60000	95000	894.00	.5050-01	.4180-01	.5110-01	.1453-01	.1164-01	.1230-01	7.838	63.32	664.2
36	65000	00000	895.00	.3148	.2523	.2664	.7402-02	.6005-02	.6322-02	4.257	53.50	628.6
36	70000	00000	896.00	.1604	.1301	.1370	.1071-01	.8716-02	.9806-02	6.273	56.14	617.7
36	70000	.25000-01	897.00	.2319	.1888	.2081	.1007-01	.8215-02	.9585-02	5.968	40.19	610.9
36	70000	10000-00	898.00	.2182	.1780	.2077	.8401-02	.6879-02	.8089-02	5.079	30.58	599.2
36	70000	20000	899.00	.1820	.1491	.1753	.6982-02	.5729-02	.6757-02	4.263	25.78	592.4
36	70000	30000	900.00	.1513	.1241	.1464	.6368-02	.5227-02	.6163-02	3.901	24.24	591.3
36	70000	40000	901.00	.1360	.1132	.1335	.6856-02	.5628-02	.6642-02	4.203	26.14	590.6
36	70000	50000	902.00	.1486	.1219	.1439	.5070-02	.4185-02	.5100-02	3.208	22.74	571.0
36	70000	60000	903.00	.1093	.9070-01	.1105	.1005-01	.8236-02	.8655-02	6.092	47.19	597.8
36	75000	00000	904.00	.2178	.1784	.1875	.1582-01	.1276-01	.1409-01	8.811	66.64	646.8
36	75000	.25000-01	905.00	.3428	.2764	.3053	.1658-01	.1346-01	.1543-01	9.546	68.02	628.0
36	75000	50000-01	906.00	.3593	.2916	.3344	.1445-01	.1173-01	.1374-01	8.332	55.67	627.1
36	75000	10000-00	907.00	.3131	.2541	.2977						

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(RV1103)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	OTDOT DEG. R /SEC	TM DEG. R
36	.75000	.20000	908.00	.1857	.1528	.1798	.8616-02	.7051-02	.8300-02	5.192	35.13	601.2
36	.75000	.30000	909.00	.1367	.1123	.1321	.6309-02	.5181-02	.6095-02	3.876	24.12	589.4
36	.75000	.40000	910.00	.1249	.1026	.1208	.5767-02	.4735-02	.5574-02	3.538	22.66	590.1
36	.75000	.60000	911.00	.1425	.1171	.1380	.6576-02	.5403-02	.6371-02	4.050	26.75	587.8
36	.75000	.70000	912.00	.1376	.1132	.1360	.6353-02	.5225-02	.6278-02	3.938	31.85	583.8
36	.75000	.90000	913.00	.1293	.1067	.1303	.5968-02	.4927-02	.6000-02	3.776	27.21	570.9
36	.75000	.95000	914.00	.9900-01	.8180-01	.1001	.4568-02	.3773-02	.4621-02	2.902	21.65	568.4
36	.80000	.00000	915.00	.3406	.2736	.2883	.1572-01	.1263-01	.1333-01	8.582	75.33	657.8
36	.80000	.20000	916.00	.4591	.3714	.4414	.2119-01	.1714-01	.2037-01	12.00	79.83	637.1
36	.80000	.40000	917.00	.1793	.1468	.1733	.8275-02	.6773-02	.7985-02	4.990	34.87	600.6
36	.80000	.60000	918.00	.1284	.1059	.1293	.5926-02	.4887-02	.5953-02	3.726	26.80	574.9
36	.85000	.00000	919.00	.3973	.3196	.3372	.1834-01	.1475-01	.1556-01	10.09	76.02	653.7
36	.85000	.20000	920.00	.4371	.3542	.4194	.2018-01	.1635-01	.1936-01	11.53	79.32	632.2
36	.85000	.40000	921.00	.5116	.4132	.4917	.2361-01	.1907-01	.2269-01	13.26	93.83	642.0
36	.90000	.00000	922.00	.2236	.1826	.1940	.1032-01	.8428-02	.8864-02	6.145	47.35	608.4
36	.90000	.10000+00	923.00	.2562	.2101	.2451	.1183-01	.9697-02	.1131-01	7.205	52.18	594.4
36	.90000	.20000	924.00	.3517	.2863	.3370	.1623-01	.1321-01	.1553-01	9.492	65.72	619.0
36	.90000	.30000	925.00	.4182	.3390	.4018	.1930-01	.1555-01	.1855-01	11.04	76.00	631.6
36	.90000	.50000	926.00	.4145	.3363	.3993	.1913-01	.1552-01	.1843-01	11.00	75.85	628.5
36	.90000	.80000	927.00	.3022	.2469	.2980	.1395-01	.1140-01	.1375-01	8.332	63.14	606.4
36	.90000	.90000	928.00	.2367	.1941	.2384	.1093-01	.8957-02	.1101-01	6.647	51.55	595.4
36	.95000	.00000	929.00	.1239	.1024	.1074	.5717-02	.4724-02	.4955-02	3.638	26.70	567.4
36	.95000	.50000-01	930.00	.1762	.1450	.1651	.8130-02	.6691-02	.7622-02	5.057	35.66	581.7
36	.95000	.10000+00	931.00	.1930	.1597	.1837	.8906-02	.7323-02	.8477-02	5.511	40.09	584.9
36	.95000	.20000	932.00	.2572	.2108	.2474	.1167-01	.9729-02	.1142-01	7.219	48.98	618.7
36	.95000	.30000	933.00	.3453	.2811	.3325	.1594-01	.1297-01	.1534-01	9.324	64.57	618.7
36	.95000	.50000	934.00	.2892	.2359	.2792	.1335-01	.1089-01	.1288-01	7.907	56.78	611.3
36	.95000	.70000	935.00	.2343	.1920	.2285	.1081-01	.8859-02	.1054-01	6.555	48.20	597.5
36	.95000	.80000	936.00	.2284	.1875	.2263	.1054-01	.8655-02	.1047-01	6.465	46.91	590.4
36	.95000	.90000	937.00	.1674	.1379	.1684	.7728-02	.6366-02	.7774-02	4.830	35.85	578.7

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AEDC VOF V41B-57A (OH-49B) COLLATION DECK

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL03)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SFCGRK = .0000
 BDFLAP = .3000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
7	8.000	3.750	30.10	.0000	180.0	862.2	.8800-01	1345.	97.50	3.957	3870.	.7603-04
8	8.000	3.754	30.10	.0000	180.0	861.4	.8800-01	1343.	97.30	3.953	3867.	.7607-04
9	8.000	3.754	30.08	.0000	180.0	863.5	.8800-01	1345.	97.50	3.963	3870.	.7613-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =	HREF BTU/ R FT2SEC
7	.7846-07	.4914-01	0.0175	.2098-01
8	.7835-07	.4911-01	.2097-01	
9	.7848-07	.4918-01	.2096-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
9	.30000	.00000	845.00	.4060-01	.3370-01	.3530-01	.1999-02	.1656-02	.1736-02	1.298	14.33	561.5
9	.30000	.50000-01	846.00	.1203	.9840-01	.1128	.5914-02	.4839-02	.5546-02	3.583	38.72	604.9
9	.30000	.10000-00	847.00	.1080	.8870-01	.1019	.5310-02	.4361-02	.5013-02	3.282	27.45	592.5
9	.30000	.20000	848.00	.1051	.8660-01	.1003	.5171-02	.4257-02	.4932-02	3.241	22.84	583.8
9	.30000	.40000	850.00	.5560-01	.4570-01	.5350-01	.2735-02	.2248-02	.2630-02	1.701	11.96	588.6
9	.30000	.50000	851.00	.5490-01	.4510-01	.5320-01	.2638-02	.2217-02	.2615-02	1.672	12.12	591.2
9	.30000	.60000	852.00	.8810-01	.7240-01	.8530-01	.4333-02	.3559-02	.4197-02	2.879	19.42	592.5
9	.30000	.70000	853.00	.1368	.1122	.1327	.6729-02	.5517-02	.6525-02	4.119	28.81	598.5
9	.30000	.80000	854.00	.1945	.1592	.1897	.9584-02	.7831-02	.9329-02	5.803	41.82	604.1
9	.30000	.90000	855.00	.1132	.9350-01	.1131	.5569-02	.4596-02	.5560-02	3.540	25.46	575.1
9	.30000	.95000	856.00	.1001	.8270-01	.1009	.4924-02	.4069-02	.4964-02	3.152	22.36	570.5
5	.40000	.00000	857.00	.7950-01	.6550-01	.6880-01	.3912-02	.3224-02	.3383-02	2.465	20.74	580.5
9	.40000	.00000	858.00	.1781	.1447	.1524	.8759-02	.7118-02	.7493-02	5.109	49.64	627.5
9	.40000	.50000-01	859.00	.3443	.2786	.3149	.1693-01	.1370-02	.1549-01	9.658	66.19	640.4
9	.40000	.10000-00	860.00	.2262	.1843	.2129	.1112-01	.9064-02	.1047-01	6.585	45.60	618.8
9	.40000	.20000	861.00	.1255	.1028	.1207	.6171-02	.5055-02	.5936-02	3.761	27.15	601.2
9	.40000	.30000	862.00	.9940-01	.8150-01	.9620-01	.4868-02	.4008-02	.4733-02	2.994	20.94	598.2

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

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(RVIL03)

RUN NUMBER	2Y/8	X/C	1/C NO	M/HREF R=0.9	M/HREF R=1.0	M/HREF (TAM)	H(C9TO) BTU/ R FT2SEC	H(CTO) BTU/ R FT2SEC	H(CTAH) BTU/ R FT2SEC	OOOT BTU/ FT2SEC	DTAOT DEG. R /SEC	TH DEG. R
9	40000	40000	863.00	8500-01	6970-01	8230-01	4178-02	3428-02	4048-02	2.567	19.22	596.2
9	40000	60000	864.00	1204	9830-01	1164	5922-02	4864-02	5723-02	3.660	24.11	592.8
9	40000	70000	865.00	1475	1210	1428	7252-02	4664-02	7022-02	4.461	29.36	595.5
9	40000	85000	866.00	1432	1177	1393	7044-02	5786-02	6850-02	4.358	31.60	595.0
9	40000	90000	867.00	1400	1154	1385	6868-02	5673-02	6811-02	4.328	32.07	582.3
9	40000	95000	868.00	1188	9800-01	1196	5845-02	4819-02	5880-02	3.692	31.09	579.0
9	40000	95000	869.00	1055	8710-01	1069	5188-02	4282-02	5256-02	3.296	26.28	575.5
9	50000	00000	871.00	5228	4126	4372	2571-01	2029-01	2150-01	12.95	96.70	707.1
9	50000	50000-01	872.00	3629	2924	3333	1785-01	1438-01	1639-01	9.958	72.52	652.7
9	50000	10000-00	873.00	9700-02	8000-02	9200-02	4750-03	3955-03	4537-03	3.180	2.363	541.5
9	50000	20000	874.00	1459	1194	1406	7173-02	5874-02	6915-02	4.362	30.44	602.6
9	50000	30000	875.00	1223	1002	1182	6013-02	4930-02	5812-02	3.682	25.75	598.4
9	50000	40000	876.00	1079	8650-01	1045	5309-02	4355-02	5137-02	3.260	22.82	596.6
9	50000	50000	877.00	1014	8320-01	9820-01	4587-02	4093-02	4831-02	3.071	20.85	594.8
9	50000	60000	878.00	7780-01	6420-01	7560-01	3827-02	3158-02	3718-02	2.430	18.70	575.7
9	50000	70000	879.00	6022	4561	4877	2962-01	2243-01	2398-01	12.43	94.69	791.0
9	60000	00000	880.00	4421	3459	3673	2174-01	1701-01	1806-01	10.52	89.44	726.6
9	60000	25000-01	881.00	5043	3995	4473	2480-01	1965-01	2200-01	12.72	90.69	697.7
9	60000	50000-01	882.00	2940	2357	2704	1446-01	1159-01	1330-01	7.856	71.63	667.4
9	60000	75000-01	883.00	3004	2423	2827	1477-01	1192-01	1390-01	8.297	58.51	649.1
9	60000	10000-00	884.00	2295	1866	2188	1129-01	9178-02	1076-01	6.613	45.66	624.7
9	60000	20000	885.00	1575	1289	1522	7747-02	6337-02	7484-02	4.685	32.64	606.0
9	60000	30000	886.00	1553	1274	1505	7225-02	6267-02	7401-02	4.631	30.31	606.2
9	60000	40000	887.00	1469	1202	1418	7225-02	5912-02	6972-02	4.379	29.58	604.6
9	60000	50000	888.00	1405	1152	1361	6912-02	5654-02	6632-02	4.223	28.59	599.8
9	60000	60000	889.00	1245	1022	1206	6123-02	5025-02	5932-02	3.770	25.59	595.0
9	60000	70000	890.00	1142	9380-01	1114	5615-02	4612-02	5478-02	3.472	24.36	592.4
9	60000	80000	891.00	7990-01	6560-01	7500-01	3528-02	3237-02	3865-02	2.476	18.05	580.5
9	60000	95000	892.00	9060-01	7470-01	9000-01	4454-02	3674-02	4426-02	2.821	20.27	577.2
9	60000	95000	893.00	7900-01	6530-01	7970-01	3868-02	3211-02	3919-02	2.482	18.48	572.1
9	60000	95000	894.00	6260-01	5180-01	6340-01	3079-02	2546-02	3113-02	1.979	14.77	567.9
9	65000	00000	895.00	3129	2499	2641	1539-01	1229-01	1253-01	8.212	65.94	677.0
9	70000	00000	896.00	1566	1268	1336	7702-02	6235-02	6569-02	4.403	55.05	639.1
9	70000	25000-01	897.00	2312	1878	2072	1137-01	9630-02	1019-01	6.619	58.92	628.5
9	70000	10500-00	898.00	2223	1810	2115	1093-01	8902-02	1040-01	6.450	43.23	620.7
9	70000	20000	899.00	1892	1547	1821	9303-02	7607-02	8956-02	5.610	33.64	607.6
9	70000	30000	900.00	1561	1279	1511	7677-02	6250-02	7473-02	4.682	28.17	600.8
9	70000	40000	901.00	1557	1276	1507	7659-02	6274-02	7411-02	4.669	28.89	601.0
9	70000	60000	902.00	2082	1704	2016	1024-01	8378-02	9916-02	6.194	38.24	605.8
9	70000	90000	903.00	1568	1291	1578	7711-02	6347-02	7759-02	4.827	33.99	584.7
9	75000	00000	904.00	2709	2200	2316	1332-01	1082-01	1139-01	7.733	58.96	630.3
9	75000	25000-01	905.00	3648	2929	3242	1794-01	1441-01	1594-01	9.635	73.83	662.5
9	75000	50000-01	906.00	4088	3302	3798	2010-01	1624-01	1868-01	11.37	80.32	645.2

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RVIL03)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9°O) BTU/ R FT/SEC	H(10°) BTU/ R FT/SEC	H(11°) BTU/ R FT/SEC	QDOT BTU/ FT/SEC	DTAOT DEG. R /SEC	TM DEG. R
9	.75000	.10000+00	907.00	.3604	.2912	.3423	.1773-01	.1432-01	.1683-01	10.02	66.40	645.2
9	.75000	.20000	908.00	.2052	.1675	.1976	.1009-01	.8238-02	.9716-02	6.039	40.64	612.2
9	.75000	.30000	909.00	.1409	.1156	.1362	.6932-02	.5685-02	.6697-02	4.254	26.37	597.1
9	.75000	.40000	910.00	.1290	.1058	.1247	.6346-02	.5202-02	.6133-02	3.883	24.76	596.8
9	.75000	.50000	911.00	.2382	.1948	.2306	.1171-01	.9582-02	.1134-01	7.085	46.38	605.8
9	.75000	.60000	912.00	.2100	.1720	.2076	.1033-01	.8341-02	.1021-01	6.269	50.44	601.9
9	.75000	.70000	913.00	.1815	.1494	.1825	.8926-02	.7348-02	.8976-02	5.593	40.04	584.1
9	.75000	.80000	914.00	.1379	.1136	.1395	.6781-02	.5587-02	.6863-02	4.269	31.64	581.2
9	.80000	.90000	915.00	.3547	.2839	.2999	.1745-01	.1396-01	.1475-01	9.401	81.97	671.8
9	.80000	.00000	916.00	.5053	.4071	.4855	.2485-01	.2002-01	.2388-01	13.87	91.50	652.8
9	.80000	.10000	917.00	.2023	.1651	.1951	.9948-02	.8119-02	.9595-02	5.939	41.23	613.7
9	.80000	.20000	918.00	.1962	.1612	.1972	.9650-02	.7926-02	.9699-02	5.967	42.55	592.3
9	.85000	.00000	919.00	.3990	.3200	.3379	.1962-01	.1574-01	.1662-01	10.69	80.13	665.8
9	.85000	.10000	920.00	.4608	.3721	.4419	.2266-01	.1830-01	.2173-01	12.79	87.39	646.4
9	.85000	.20000	921.00	.5005	.4029	.4809	.2462-01	.1981-01	.2365-01	13.66	95.99	655.9
9	.90000	.00000	922.00	.2243	.1829	.1923	.1103-01	.8993-02	.9459-02	6.549	50.25	617.0
9	.90000	.10000+00	923.00	.2846	.2328	.2721	.1400-01	.1145-01	.1338-01	8.452	60.83	606.9
9	.90000	.20000	924.00	.3887	.3146	.3720	.1911-01	.1547-01	.1829-01	10.91	74.82	639.7
9	.90000	.30000	925.00	.4413	.3564	.4238	.2171-01	.1752-01	.2084-01	12.26	83.79	645.9
9	.90000	.40000	926.00	.4237	.3427	.4080	.2084-01	.1686-01	.2006-01	11.87	81.32	641.0
9	.90000	.50000	927.00	.3042	.2480	.2999	.1496-01	.1220-01	.1475-01	8.890	67.04	616.4
9	.90000	.60000	928.00	.2412	.1974	.2430	.1186-01	.9708-02	.1195-01	7.182	55.49	604.8
9	.95000	.00000	929.00	.1258	.1038	.1089	.6185-02	.5107-02	.5356-02	3.942	28.84	573.4
9	.95000	.10000-01	930.00	.1813	.1491	.1700	.8919-02	.7332-02	.8358-02	5.542	38.93	599.3
9	.95000	.20000+00	931.00	.2048	.1681	.1949	.1007-01	.8269-02	.9585-02	6.207	44.95	594.5
9	.95000	.30000	932.00	.3040	.2481	.2921	.1495-01	.1220-01	.1437-01	8.926	60.03	613.6
9	.95000	.40000	933.00	.3721	.3016	.3580	.1830-01	.1483-01	.1761-01	10.52	72.45	635.8
9	.95000	.50000	934.00	.3008	.2448	.2903	.1479-01	.1204-01	.1428-01	8.694	62.08	623.1
9	.95000	.60000	935.00	.2363	.1932	.2303	.1162-01	.9500-02	.1133-01	7.007	51.27	607.6
9	.95000	.70000	936.00	.2335	.1914	.2319	.1148-01	.9411-02	.1140-01	7.014	50.66	599.9
9	.95000	.80000	937.00	.1710	.1407	.1721	.8412-02	.6919-02	.8464-02	5.246	38.77	587.1

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) OR3ITER LOWER WING

(RV1L04)

LOWER WING

PARAMETRIC DATA

ALPHA = 33.00 BETA = -2.000 ELEVTR = .0000 SPDGRK = .0000
 BDFLAP = .0000 MACH = 8.000

...TEST CONDITIONS...

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
175	7.900	.5338	30.07	2.000	202.0	109.4	.1200-01	1274.	94.50	.5310	3763.	.1079-04
176	7.900	.5353	30.08	2.000	202.0	109.5	.1200-01	1272.	94.40	.5320	3761.	.1082-04
177	7.900	.5361	30.08	2.000	202.0	109.6	.1200-01	1272.	94.30	.5320	3760.	.1083-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R	ST FR R =
175	.7608-07	.1783-01	.5538-01	0.0175
176	.7598-07	.1784-01	.5531-01	
177	.7595-07	.1785-01	.5527-01	

...TEST DATA...

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H:9TO BTU/ R FT2SEC	H:TO BTU/ R FT2SEC	H:TAH BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
177	.30000	.00000	845.00	.4710-01	.3830-01	.4080-01	.8398-03	.6946-03	.7282-03	.5110	5.711	536.5
177	.30060	.50000-01	846.00	.1458	.1202	.1371	.2602-02	.2145-02	.2446-02	1.552	17.25	548.2
177	.30000	.10000+00	847.00	.1367	.1128	.1293	.2440-02	.2013-02	.2307-02	1.463	12.53	545.1
177	.30000	.20000	848.00	.1112	.9180-01	.1062	.1985-02	.1639-02	.1895-02	1.196	8.605	542.0
177	.33000	.40020	850.00	.7180-01	.5930-01	.6910-01	.1281-02	.1058-02	.1233-02	.7720	5.551	542.3
177	.30000	.50000	851.00	.5680-01	.4690-01	.5510-01	.1014-02	.8372-03	.9832-03	.6120	4.548	541.3
177	.30000	.60000	852.00	.5320-01	.4400-01	.5160-01	.9497-03	.7848-03	.9219-03	.5750	4.279	539.4
177	.30000	.70000	853.00	.4700-01	.3890-01	.4570-01	.8390-03	.6935-03	.8147-03	.5090	3.666	538.3
177	.30000	.80000	854.00	.4630-01	.3830-01	.4520-01	.8262-03	.6832-03	.8069-03	.5020	3.743	536.9
177	.30000	.90000	855.00	.2520-01	.2080-01	.2510-01	.4492-03	.3720-03	.4485-03	.2760	2.026	531.2
177	.30000	.95000	856.00	.2480-01	.2050-01	.2500-01	.4423-03	.3665-03	.4459-03	.2720	1.966	530.4
177	.35000	.00000	857.00	.1018	.8400-01	.8810-01	.816-02	.1499-02	.1572-02	1.093	9.372	542.8
177	.40000	.00000	858.00	.2105	.1730	.1816	.3757-02	.3087-02	.3211-02	2.201	22.12	559.0
177	.40000	.50000-01	859.00	.3797	.3121	.3437	.6777-02	.5569-02	.6241-02	3.976	28.37	558.0
177	.40000	.10000+00	860.00	.2357	.1942	.2226	.4206-02	.3465-02	.3972-02	2.502	17.93	549.8
177	.40000	.20000	861.00	.1255	.1036	.1209	.2240-02	.1848-02	.2158-02	1.344	9.975	544.8
177	.40000	.30000	862.00	.1004	.8290-01	.9730-01	.1792-02	.1479-02	.1737-02	1.078	7.747	543.3

(RV104)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	OTWOT L23. R /SEC	TH DEG. R
177	40000	.40000	863.00	.8160-01	.6740-01	.7920-01	.1457-02	.1203-02	.1413-02	.8790	6.766	541.0
177	40000	.60000	864.00	.8900-01	.7360-01	.8610-01	.1589-02	.1314-02	.1537-02	.8790	6.766	536.7
177	40000	.70000	865.00	.7960-01	.6580-01	.7710-01	.1420-02	.1174-02	.1377-02	.8620	5.842	537.3
177	40000	.75000	866.00	.6730-01	.5760-01	.6550-01	.1201-02	.0930-03	.1169-02	.7310	5.449	536.0
177	40000	.85000	867.00	.5390-01	.4460-01	.5330-01	.0910-03	.0755-03	.0906-03	.5830	4.463	533.1
177	40000	.90000	868.00	.4340-01	.3600-01	.4370-01	.0750-03	.0617-03	.0796-03	.4740	4.090	532.5
177	40000	.95000	869.00	.3590-01	.2970-01	.3640-01	.0408-03	.0307-03	.0492-03	.3330	3.200	532.1
177	50000	.00000	871.00	.5978	.4378	.5130	.1067-01	.0704-02	.0915-02	6.015	48.72	580.8
177	50000	.00000	872.00	.3714	.3053	.3440	.0628-02	.0449-02	.0613-02	3.897	29.75	556.7
177	50000	.10000+00	873.00	.2121	.1749	.2021	.3785-02	.3122-02	.3606-02	2.265	16.80	546.3
177	50000	.20000	874.00	.1517	.1252	.1435	.2707-02	.2235-02	.2644-02	1.630	11.72	542.8
177	50000	.30000	875.00	.1059	.0875-01	.1035	.1890-02	.1551-02	.1829-02	1.142	8.219	540.7
177	50000	.40000	876.00	.0950-01	.0823-01	.0950-01	.1777-02	.1468-02	.1721-02	1.074	7.735	540.1
177	50000	.50000	877.00	.0850-01	.0710-01	.0830-01	.1531-02	.1266-02	.1486-02	.9300	6.494	537.6
177	50000	.60000	878.00	.0490-01	.3390-01	.3930-01	.7301-03	.6047-03	.7097-03	.4480	3.521	531.7
177	55000	.00000	879.00	.7718	.6219	.6560	.1377-01	.1110-01	.1171-01	7.272	60.10	616.7
177	60000	.00000	880.00	.4525	.3686	.3878	.0876-02	.0578-02	.0521-02	4.513	41.02	585.9
177	60000	.25000-01	881.00	.5457	.4466	.4927	.0739-02	.0791-02	.0792-02	5.584	42.31	571.3
177	60000	.50000-01	882.00	.3014	.2475	.2739	.5378-02	.4417-02	.4995-02	3.144	30.21	560.1
177	60000	.75000-01	883.00	.3077	.2532	.2914	.5492-02	.4519-02	.5200-02	3.245	23.97	553.9
177	60000	.10000+00	884.00	.2246	.1853	.2149	.4008-02	.3307-02	.3835-02	2.403	17.26	545.2
177	60000	.20000	885.00	.1366	.1129	.1322	.2438-02	.2014-02	.2360-02	1.474	10.62	540.1
177	60000	.30000	886.00	.1260	.1041	.1219	.2248-02	.1857-02	.2175-02	1.361	9.208	539.3
177	60000	.40000	887.00	.1134	.0980-01	.1037	.2024-02	.1673-02	.1957-02	1.227	8.564	538.7
177	60000	.50000	888.00	.1038	.0850-01	.1006	.1852-02	.1531-02	.1796-02	1.125	7.043	535.8
177	60000	.60000	889.00	.9270-01	.7670-01	.9000-01	.1655-02	.1369-02	.1605-02	1.007	5.017	532.3
177	60000	.80000	891.00	.6140-01	.5090-01	.6080-01	.1077-02	.0979-03	.1085-02	.620	5.112	531.5
177	60000	.85000	892.00	.6350-01	.5260-01	.6320-01	.1134-02	.0932-03	.1127-02	.6950	5.112	531.5
177	60000	.90000	893.00	.5250-01	.4350-01	.5230-01	.9373-03	.7765-03	.9447-03	.5760	4.379	530.4
177	60000	.95000	894.00	.3790-01	.3140-01	.3810-01	.6763-03	.5604-03	.6851-03	.4160	3.164	529.7
177	65000	.00000	895.00	.3584	.2932	.3032	.6397-02	.5233-02	.5501-02	3.659	30.91	572.6
177	70000	.00000	896.00	.1801	.1479	.1534	.3214-02	.2640-02	.2773-02	1.880	24.44	559.9
177	70000	.25000-01	897.00	.2531	.2084	.2235	.4516-02	.3719-02	.4078-02	2.681	24.80	551.0
177	70000	.50000+00	898.00	.2176	.1796	.2078	.3883-02	.3205-02	.3708-02	2.335	16.26	543.5
177	70000	.75000	899.00	.1704	.1408	.1643	.3040-02	.2512-02	.2933-02	1.839	11.40	539.9
177	70000	.90000	900.00	.1396	.1154	.1353	.2482-02	.2060-02	.2415-02	1.513	9.391	537.6
177	70000	.95000	901.00	.1297	.1073	.1257	.2314-02	.1914-02	.2243-02	1.407	8.981	536.6
177	70000	.00000	902.00	.1115	.0920-01	.1082	.1990-02	.1646-02	.1930-02	1.212	7.748	535.6
177	70000	.25000	903.00	.5460-01	.4520-01	.5490-01	.9739-03	.8070-03	.9797-03	.5990	4.334	530.0
177	70000	.50000	904.00	.1446	.1197	.1255	.2580-02	.2136-02	.2239-02	1.578	12.63	532.9
177	75000	.00000	905.00	.3667	.3172	.3477	.6901-02	.5660-02	.6205-02	4.005	31.55	564.3
177	75000	.25000-01	906.00	.3215	.2650	.3005	.5737-02	.4729-02	.5370-02	3.422	25.36	542.2
177	75000	.50000+00	907.00	.2370	.1956	.2263	.4229-02	.3490-02	.4039-02	2.541	17.69	543.9

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL04)

OH-49B (AEDC V41B-57A) OFFBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(910) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	CTDOT DEG. R /SEC	TH DEG. R
177	75000	20000	908.00	.1363	.1127	.1316	.2433-02	.2011-02	.2349-02	.1474	10.29	539.0	
177	75000	30000	909.00	.1277	.1056	.1235	.2278-02	.1885-02	.2205-02	1.387	8.868	535.8	
177	75000	40000	910.00	.1144	.9470-01	.1108	.2042-02	.1689-02	.1977-02	1.244	8.185	535.2	
177	75000	60000	911.00	.1057	.8750-01	.1026	.1887-02	.1561-02	.1830-02	1.152	7.815	532.0	
177	75000	80000	912.00	.7100-01	.5880-01	.7020-01	.1267-02	.1049-02	.1253-02	.6530	4.807	529.3	
177	75000	90000	913.00	.5950-01	.4930-01	.5980-01	.1062-02	.8797-03	.1067-02	.7770	3.601	529.2	
177	75000	95000	914.00	.4310-01	.3570-01	.4360-01	.7689-03	.6372-03	.7778-03	.4730	32.28	569.0	
177	80000	20000	915.00	.3427	.2807	.2950	.6116-02	.5010-02	.5264-02	3.521	11.71	536.3	
177	80000	40000	916.00	.1542	.1276	.1490	.2752-02	.2277-02	.2659-02	1.165	8.419	535.3	
177	80000	60000	917.00	.1072	.8870-01	.1037	.1914-02	.1587-02	.1851-02	.6990	5.138	530.1	
177	80000	80000	918.00	.6370-01	.5280-01	.6400-01	.1137-02	.9417-03	.1142-02	4.320	33.96	539.4	
177	85000	40000	919.00	.4197	.3439	.3613	.7491-02	.6137-02	.6448-02	1.889	13.61	534.9	
177	85000	60000	920.00	.1749	.1445	.1685	.3120-02	.2579-02	.3007-02	1.116	8.328	530.9	
177	85000	80000	921.00	.1026	.8490-01	.9910-01	.1831-02	.1515-02	.1749-02	2.720	21.57	541.0	
177	90000	20000	922.00	.2567	.2114	.2219	.4581-02	.3773-02	.3960-02	2.442	18.16	541.4	
177	90000	40000	923.00	.2267	.1873	.2173	.4046-02	.3342-02	.3877-02	2.042	14.70	538.0	
177	90000	60000	924.00	.1897	.1567	.1824	.3385-02	.2796-02	.3254-02	1.753	12.63	535.8	
177	90000	80000	925.00	.1619	.1338	.1562	.2889-02	.2388-02	.2787-02	1.418	10.24	531.2	
177	90000	10000	926.00	.1305	.1080	.1262	.2329-02	.1927-02	.2252-02	.5800	4.610	529.6	
177	90000	20000	927.00	.5350-01	.4330-01	.5280-01	.9551-03	.7911-03	.9429-03	.5170	4.147	529.4	
177	90000	40000	928.00	.4710-01	.3910-01	.4750-01	.8410-03	.6969-03	.8469-03	1.576	11.74	541.8	
177	95000	60000	929.00	.1454	.1202	.1261	.2595-02	.2146-02	.2344-02	2.148	15.45	541.3	
177	95000	80000	930.00	.1996	.1549	.1674	.3563-02	.2942-02	.3306-02	2.093	15.57	540.1	
177	95000	10000	931.00	.1944	.1605	.1852	.3469-02	.2865-02	.3226-02	2.024	14.12	539.5	
177	95000	20000	932.00	.1876	.1550	.1808	.3347-02	.2766-02	.3060-02	1.842	13.27	535.5	
177	95000	30000	933.00	.1705	.1409	.1647	.3043-02	.2515-02	.2939-02	1.325	9.878	534.3	
177	95000	40000	934.00	.1218	.1008	.1179	.2174-02	.1795-02	.2105-02	1.041	7.898	532.8	
177	95000	50000	935.00	.9550-01	.7910-01	.9330-01	.1705-02	.1411-02	.1665-02	1.059	7.910	530.3	
177	95000	60000	936.00	.9700-01	.8030-01	.9640-01	.1731-02	.1433-02	.1719-02	.6960	5.295		
177	95000	80000	937.00	.6350-01	.5260-01	.6390-01	.1133-02	.9389-03	.1140-02				

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L04)

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = -2.000 ELEVTR = .0000 SPDRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
148	7.940	1.024	30.06	2.000	202.0	211.1	.2300-01	1267.	93.10	1.002	3754.	.2046-04
149	7.940	1.038	30.08	2.000	202.0	211.6	.2300-01	1258.	92.40	1.004	3740.	.2066-04
150	7.940	1.055	30.09	2.000	202.0	213.9	.2300-01	1253.	92.10	1.015	3734.	.2095-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R	ST FR R =
148	7.940	7496-07	2447-01	0.0175
149	7.940	7440-07	2447-01	0.0175
150	7.940	7416-07	2453-01	0.0175

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NU	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
150	30000	.00000	845.00	.4580-01	.3770-01	.3960-01	.1127-02	.9263-03	.9731-03	.6530	7.262	548.5
150	30000	.50000-01	846.00	.1183	.1183	.1356	.3555-02	.2909-02	.3334-02	2.007	22.14	563.5
150	30000	.10000+00	847.00	.1199	.9820-01	.113	.2908-02	.2416-02	.2782-02	1.677	14.25	558.5
150	30000	.20000	848.00	.1092	.3950-01	.104	.2686-02	.2204-02	.2560-02	1.539	11.00	555.3
150	30000	.40000	850.00	.6590-01	.5490-01	.6430-01	.1646-02	.1350-02	.1582-02	.9420	6.731	555.7
150	30000	.50000	851.00	.5170-01	.4240-01	.5010-01	.1271-02	.1043-02	.1231-02	.7280	5.375	555.5
150	30000	.60000	852.00	.4690-01	.4000-01	.4720-01	.1199-02	.9840-03	.1151-02	.6880	5.082	554.3
150	30000	.70000	853.00	.4350-01	.3580-01	.4230-01	.1073-02	.8097-03	.1041-02	.6170	4.412	553.2
150	30000	.80000	854.00	.4510-01	.3700-01	.4330-01	.1108-02	.9098-03	.1081-02	.6380	4.722	551.8
150	30000	.90000	855.00	.2840-01	.2340-01	.2840-01	.6985-03	.5750-03	.6973-03	.4080	2.977	544.5
150	30000	.95000	856.00	.2850-01	.2340-01	.2670-01	.6997-03	.5764-03	.7054-03	.4100	2.948	542.3
150	35000	.10000	857.00	.1176	.9650-01	.1013	.2891-02	.2372-02	.2492-02	1.655	14.10	555.6
150	40000	.00000	858.00	.2086	.1700	.1783	.5130-02	.4181-02	.4338-02	2.833	28.23	575.8
150	40000	.50000-01	859.00	.3918	.3112	.3503	.9387-02	.7652-02	.6514-02	5.190	35.72	575.2
150	40000	.10000+00	860.00	.2287	.1871	.2153	.5624-02	.4600-02	.5300-02	3.167	22.52	555.1
150	40000	.20000	861.00	.1205	.9870-01	.1153	.2362-02	.2427-02	.2849-02	1.685	12.42	559.3
150	40000	.30000	862.00	.9610-01	.7880-01	.9300-01	.2362-02	.1937-02	.2287-02	1.348	9.621	557.5

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 25 AUG 76 AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
150	40000	40000	863.00	7510-01	6160-01	7283-01	1848-02	1515-02	1790-02	1.056	8.062	556.6
150	40000	60000	864.00	7810-01	6410-01	7550-01	1921-02	1577-02	1856-02	1.104	7.421	553.1
150	40000	70000	865.00	7620-01	6260-01	7383-01	1874-02	1538-02	1814-02	1.077	7.240	553.1
150	40000	75000	866.00	6350-01	5210-01	6170-01	1560-02	1282-02	1517-02	.9000	6.655	551.6
150	40000	85000	867.00	5340-01	4390-01	5283-01	1313-02	1079-02	1298-02	.7620	5.743	547.7
150	40000	90000	868.00	4200-01	3460-01	4230-01	1033-02	8504-03	1040-02	.6020	5.153	545.7
150	40000	95000	869.00	3590-01	2950-01	3630-01	8818-03	7260-03	8937-03	.5150	4.172	544.1
150	50000	100000	871.00	5931	4788	5043	1458-01	1177-01	1241-01	.7553	61.31	603.4
150	50000	100000-01	872.00	3664	2988	3382	9008-02	7346-02	8315-02	4.991	37.77	574.1
150	50000	100000-00	873.00	2117	1733	2013	5205-02	4261-02	4649-02	2.947	21.69	561.8
150	50000	20000	874.00	1525	1250	1471	3750-02	3074-02	3615-02	2.136	15.24	558.7
150	50000	30000	875.00	1156	9480-01	1117	2842-02	2331-02	2747-02	1.624	11.60	556.7
150	50000	40000	876.00	1003	8230-01	9700-01	2466-02	2022-02	2386-02	1.410	10.07	556.2
150	50000	50000	877.00	9570-01	7850-01	9270-01	2353-02	1931-02	2279-02	1.350	9.350	554.3
150	50000	60000	878.00	4240-01	3490-01	4230-01	1043-02	8581-03	1012-02	.6080	4.747	545.3
150	55000	70000	879.00	7609	6033	6386	1871-01	1483-01	1170-01	8.972	73.02	648.6
150	60000	80000	880.00	4573	3680	3882	1124-01	9048-02	9546-02	5.809	52.14	611.5
150	60000	90000	881.00	5434	4402	3882	1336-01	1082-01	1199-01	7.144	53.55	593.4
150	60000	100000-01	882.00	2938	2432	2765	7347-02	5980-02	6798-02	4.153	38.35	579.5
150	60000	100000-01	883.00	3035	2477	2057	7463-02	6091-02	7049-02	4.153	30.41	571.7
150	60000	100000-00	884.00	2226	1823	223	5473-02	4482-02	5228-02	3.105	22.12	560.9
150	60000	20000	885.00	1333	1094	1283	3278-02	2690-02	3168-02	1.749	13.43	554.9
150	60000	30000	886.00	1241	1018	1200	3052-02	2504-02	2950-02	1.749	11.74	554.9
150	60000	40000	887.00	1099	9020-01	1051	2702-02	2217-02	2609-02	1.547	10.71	555.5
150	60000	50000	888.00	9810-01	8050-01	9503-01	2413-02	1980-02	2337-02	1.385	9.591	554.2
150	60000	60000	889.00	9180-01	7540-01	6893-01	2257-02	1853-02	2187-02	1.298	9.001	552.8
150	60000	70000	890.00	6240-01	5130-01	6770-01	1533-02	1261-02	1516-02	.8880	6.581	548.8
150	60000	80000	891.00	6490-01	5330-01	6443-01	1593-02	1310-02	1583-02	.9260	6.752	547.0
150	60000	90000	892.00	5350-01	4410-01	5403-01	1317-02	1064-02	1328-02	.7690	5.802	544.8
150	60000	100000-01	893.00	4000-01	3300-01	4063-01	9844-03	8108-03	9977-03	.5760	4.354	542.8
150	65000	100000	894.00	3530	2658	3011	8679-02	7027-02	7403-02	4.626	38.65	595.0
150	70000	100000-01	895.00	1732	1410	1484	4258-02	3467-02	3648-02	2.341	30.15	578.5
150	70000	250000-01	896.00	2430	1936	2185	5976-02	4883-02	5374-02	3.349	30.71	567.8
150	70000	100000-00	897.00	2122	1738	2022	5216-02	4274-02	4972-02	2.966	20.49	559.4
150	70000	20000	898.00	1646	1350	1585	4046-02	3319-02	3897-02	2.316	14.25	555.7
150	70000	30000	899.00	1408	1156	1363	3463-02	2843-02	3352-02	1.990	12.25	553.3
150	70000	40000	900.00	1281	1052	1243	3150-02	2586-02	3049-02	1.812	11.48	552.9
150	70000	50000	901.00	1134	9320-01	1093	2789-02	2291-02	2703-02	1.607	10.19	551.9
150	70000	60000	902.00	5650-01	4650-01	5693-01	1390-02	1144-02	1398-02	.8100	5.819	545.1
150	70000	70000	903.00	1404	1154	1212	3452-02	2637-02	2979-02	1.998	15.85	549.3
150	75000	250000-01	904.00	3870	3144	3461	9516-02	7730-02	8511-02	5.161	40.21	585.8
150	75000	500000-01	905.00	3134	2563	2925	7706-02	6302-02	7192-02	4.376	31.85	565.5
150	75000	100000-00	906.00	2261	1852	2155	5560-02	4555-02	5299-02	3.158	21.81	560.0

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R FT2SEC	H(10T) BTU/ R FT2SEC	H(11T) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
150	.75000	.20000	908.00	.1387	.1138	.1337	.3410-02	.2798-02	.3287-02	1.955	13.53	554.9
150	.75000	.30000	909.00	.1247	.1024	.1205	.3066-02	.2519-02	.2963-02	1.768	11.21	551.4
150	.75000	.40000	910.00	.1154	.0940-01	.1115	.2836-02	.2330-02	.2742-02	1.635	10.67	551.6
150	.75000	.50000	911.00	.1084	.0810-01	.1050	.2664-02	.2190-02	.2582-02	1.541	10.37	549.7
150	.75000	.60000	912.00	.1020	.0718-01	.0980	.2492-02	.2052-02	.2445-02	1.425	9.438	547.9
150	.75000	.70000	913.00	.0960	.0610-01	.0880	.2324-02	.1844-02	.2319-02	1.300	8.442	544.2
150	.75000	.80000	914.00	.0900	.0460-01	.0780	.2156-02	.1624-02	.2149-02	1.180	7.442	542.9
150	.75000	.90000	915.00	.0840	.0310-01	.0630	.1988-02	.1444-02	.2002-02	1.060	6.442	539.1
150	.80000	.20000	916.00	.1502	.1233	.1443	.3693-02	.3033-02	.3562-02	2.127	14.75	552.2
150	.80000	.30000	917.00	.1191	.0980-01	.1150	.2929-02	.2404-02	.2820-02	1.682	12.02	554.1
150	.80000	.40000	918.00	.0840-01	.0530-01	.0680-01	.1584-02	.1304-02	.1592-02	1.240	6.743	545.0
150	.85000	.00000	919.00	.4392	.3560	.3750	.1080-01	.0874-02	.9221-02	5.799	45.07	591.1
150	.85000	.10000	920.00	.1705	.1399	.1641	.4193-02	.3441-02	.4034-02	2.405	17.19	554.5
150	.85000	.20000	921.00	.1245	.1022	.1201	.3061-02	.2513-02	.2952-02	1.760	13.01	553.2
150	.90000	.00000	922.00	.2541	.2075	.2182	.6247-02	.5101-02	.5364-02	3.425	27.38	570.1
150	.90000	.10000	923.00	.2295	.1882	.2196	.5644-02	.4626-02	.4398-02	3.218	23.73	558.0
150	.90000	.20000	924.00	.1922	.1576	.1845	.4726-02	.3876-02	.4536-02	2.702	19.29	556.4
150	.90000	.30000	925.00	.1445	.1186	.1392	.3552-02	.2916-02	.3422-02	2.041	14.60	553.6
150	.90000	.40000	926.00	.1329	.1091	.1283	.3268-02	.2683-02	.3156-02	1.878	13.43	553.6
150	.90000	.50000	927.00	.1162	.0974	.1171	.2858-02	.2314-02	.2874-02	1.635	13.08	555.4
150	.90000	.60000	928.00	.1162	.0950-01	.1171	.2858-02	.2314-02	.2874-02	1.635	13.08	555.4
150	.95000	.00000	929.00	.1454	.1193	.1253	.3574-02	.2934-02	.3082-02	2.056	15.20	552.8
150	.95000	.10000	930.00	.1995	.1636	.1868	.4906-02	.4024-02	.4594-02	2.805	20.03	556.3
150	.95000	.20000	931.00	.1915	.1571	.1822	.4710-02	.3963-02	.4480-02	2.695	19.89	556.0
150	.95000	.30000	932.00	.1967	.1614	.1832	.4835-02	.3967-02	.4652-02	2.771	19.18	555.1
150	.95000	.40000	933.00	.1714	.1436	.1653	.4214-02	.3458-02	.4064-02	2.416	17.27	554.9
150	.95000	.50000	934.00	.1208	.0920-01	.1163	.2971-02	.2440-02	.2872-02	1.711	12.66	552.1
150	.95000	.60000	935.00	.1029	.0660-01	.1004	.2531-02	.2080-02	.2469-02	1.463	11.02	550.0
150	.95000	.70000	936.00	.9940-01	.8180-01	.9880-01	.2445-02	.2011-02	.2428-02	1.420	10.52	547.5
150	.95000	.80000	937.00	.7470-01	.6150-01	.7510-01	.1836-02	.1511-02	.1847-02	1.070	8.071	545.6

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV104)

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = -2.000 ELEVTR = .0000 SPDBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	P0 PSIA	P PSIA	T0 DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
94	7.980	2.012	30.07	2.000	202.0	429.7	4500-01	1286.	93.60	1.994	3784.	4008-04
95	7.980	2.009	30.09	2.000	202.0	431.3	4500-01	1290.	93.90	2.000	3789.	4009-04
96	7.980	2.020	30.07	2.000	202.0	434.1	4500-01	1291.	94.00	2.014	3791.	4033-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
94	7538-07	3462-01		0.0175
95	7560-07	3468-01		.2876-01
96	7569-07	3482-01		.2868-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1(TO) BTU/ R FT2SEC	H1(TO) BTU/ R FT2SEC	H1(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
96	30000	.00000	845.00	.4790-01	.3970-01	.4163-01	.1668-02	.1382-02	.1448-02	1.040	11.62	538.6
96	30000	.50000-01	846.00	.1424	.1170	.1337	.4957-02	.4074-02	.4656-02	2.955	32.55	566.1
96	30000	.10000+00	847.00	.1334	.1099	.1261	.4644-02	.3826-02	.4389-02	2.805	23.87	558.1
96	30000	.20000	848.00	.1129	.9320-01	.1079	.3932-02	.3245-02	.3753-02	2.399	17.17	552.1
96	30000	.40000	850.00	.6000-01	.4950-01	.5783-01	.2090-02	.1724-02	.2011-02	1.271	9.088	554.1
96	30000	.50000	851.00	.5050-01	.4170-01	.4903-01	.1760-02	.1451-02	.1707-02	1.069	7.895	554.8
96	30000	.60000	852.00	.5100-01	.4200-01	.4943-01	.1774-02	.1464-02	.1720-02	1.080	7.979	553.7
96	30000	.70000	853.00	.5030-01	.4150-01	.4893-01	.1752-02	.1446-02	.1701-02	1.071	7.675	550.5
96	30000	.80000	854.00	.6560-01	.5420-01	.6113-01	.2284-02	.1888-02	.2230-02	1.407	10.44	546.0
96	30000	.90000	855.00	.4090-01	.3400-01	.4093-01	.1425-02	.1183-02	.1423-02	.9000	6.621	530.5
96	30000	.95000	856.00	.3740-01	.3110-01	.3773-01	.1301-02	.1082-02	.1311-02	.8260	6.006	525.8
96	35000	.00000	857.00	.9810-01	.8100-01	.8503-01	.3417-02	.2820-02	.2958-02	2.084	17.79	552.2
96	40000	.00000	858.00	.2105	.1721	.1803	.7327-02	.5932-02	.6298-02	4.246	42.17	582.7
96	40200	.50000-01	859.00	.3773	.3083	.3465	.1314-01	.1073-01	.1207-01	7.583	53.39	584.9
96	40000	.10000-01	860.00	.2272	.1866	.2144	.7910-02	.6495-02	.7464-02	4.689	33.27	569.4
96	40000	.20000	861.00	.1202	.9900-01	.1159	.4186-02	.3448-02	.4031-02	2.528	18.63	558.3
96	40000	.30000	862.00	.9220-01	.7600-01	.8933-01	.3209-02	.2644-02	.3110-02	1.910	13.85	557.7

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(RVIL04)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(1ST) BTU/R FT/SEC	H(1TO) BTU/R FT/SEC	H(1AH) BTU/R FT/SEC	QDOT BTU FT/SEC	DTWOT DEG. R /SEC	TH DEG. R
96	40000	40000	863.00	.6960-01	.5740-01	.6750-01	.2424-02	.1988-02	.2350-02	1.470	11.22	555.9
96	40000	60000	864.00	.7260-01	.6000-01	.7030-01	.2528-02	.2088-02	.2446-02	1.548	10.42	550.0
96	40000	70000	865.00	.7320-01	.6040-01	.7090-01	.2547-02	.2105-02	.2469-02	1.565	10.55	547.7
96	40000	75000	866.00	.6260-01	.5180-01	.6900-01	.2179-02	.1802-02	.2121-02	1.345	9.988	544.6
96	40000	85000	867.00	.5320-01	.4410-01	.5360-01	.1853-02	.1535-02	.1833-02	1.157	8.765	537.7
96	40000	90000	868.00	.4220-01	.3500-01	.4250-01	.1470-02	.1220-02	.1479-02	.9240	7.965	533.3
96	40000	95000	869.00	.3450-01	.2860-01	.3490-01	.1200-02	.9962-03	.1215-02	.7580	6.185	530.3
96	50000	.00000	871.00	.5774	.4649	.4304	.2010-01	.1619-01	.1707-01	10.73	84.94	528.2
96	50000	.50000-01	872.00	.3686	.3010	.3405	.1283-01	.1048-01	.1185-01	7.384	55.52	586.8
96	50000	1.00000+00	873.00	.2119	.1741	.2017	.7378-02	.6062-02	.7022-02	4.389	32.21	567.4
96	50000	20000	874.00	.1540	.1268	.1485	.5361-02	.4416-02	.5175-02	3.235	23.08	558.7
96	50000	30000	875.00	.1199	.9880-01	.1160	.4173-02	.3440-02	.4037-02	2.529	18.07	556.1
96	50000	40000	876.00	.1047	.8630-01	.1314	.3644-02	.3003-02	.3530-02	2.205	15.74	557.2
96	50000	50000	877.00	.9620-01	.7930-01	.9330-01	.3348-02	.2761-02	.3247-02	2.034	14.08	554.7
96	50000	60000	878.00	.4920-01	.4080-01	.4780-01	.1713-02	.1420-02	.1665-02	1.072	8.414	536.3
96	50000	70000	879.00	.7380	.5795	.6147	.2569-01	.2018-01	.2140-01	8.328	96.81	690.0
96	50000	.00000	880.00	.4582	.3673	.3379	.1595-01	.1279-01	.1350-01	10.43	77.40	614.5
96	60000	.25000-01	881.00	.5472	.4428	.4310	.1905-01	.1542-01	.1710-01	594.1	57.26	594.1
96	60000	50000-01	882.00	.3065	.2497	.2337	.1067-01	.8993-02	.9878-02	6.061	46.01	581.3
96	60000	75000-01	883.00	.3121	.2553	.2950	.1087-01	.8993-02	.1027-01	6.312	46.01	581.3
96	60000	1.00000+00	884.00	.2266	.1863	.2166	.7868-02	.6485-02	.7543-02	4.708	33.47	555.4
96	60000	20000	885.00	.1354	.1116	.1310	.4714-02	.3885-02	.4561-02	2.853	20.37	557.0
96	60000	30000	886.00	.1214	.1000+00	.1174	.4226-02	.3481-02	.4088-02	2.549	17.08	558.9
96	60000	40000	887.00	.1046	.8610-01	.1010	.3641-02	.2998-02	.3518-02	2.191	15.13	550.4
96	60000	50000	888.00	.1004	.6270-01	.9730-01	.3496-02	.2831-02	.3388-02	2.113	14.61	557.7
96	60000	60000	889.00	.9360-01	.7730-01	.9390-01	.3264-02	.2632-02	.3165-02	1.983	13.73	554.8
96	60000	80000	891.00	.6400-01	.5290-01	.6330-01	.2227-02	.1841-02	.2203-02	1.370	10.16	547.0
96	60000	85000	892.00	.6910-01	.5710-01	.6950-01	.2405-02	.1990-02	.2390-02	1.488	10.87	543.4
96	60000	90000	893.00	.5790-01	.4790-01	.5330-01	.2015-02	.1669-02	.2031-02	1.256	9.512	538.7
96	60000	95000	894.00	.4430-01	.3680-01	.4450-01	.1544-02	.1280-02	.1564-02	.9680	7.340	535.3
96	65000	.00000	895.00	.3507	.2838	.2950	.1221-01	.9880-02	.1041-01	6.685	55.31	614.6
96	70000	.00000	896.00	.1568	.1281	.1347	.5459-02	.4459-02	.4689-02	3.144	40.34	586.2
96	70000	.25000-01	897.00	.2205	.1808	.1387	.7678-02	.6256-02	.6918-02	4.518	41.32	573.8
96	70000	1.00000+00	898.00	.2022	.1662	.1329	.7040-02	.5788-02	.6716-02	4.204	28.96	555.0
96	70000	20000	899.00	.1612	.1328	.1354	.5611-02	.4623-02	.5410-02	3.389	20.82	558.2
96	70000	30000	900.00	.1369	.1129	.1356	.4767-02	.3329-02	.4618-02	2.889	17.77	556.0
96	70000	40000	901.00	.1279	.1053	.1239	.4452-02	.3668-02	.4312-02	2.688	16.99	558.3
96	70000	.60000	902.00	.1137	.9360-01	.1102	.3958-02	.3260-02	.3837-02	2.388	15.09	558.8
96	70000	90000	903.00	.5820-01	.4820-01	.5860-01	.2027-02	.1677-02	.2039-02	1.254	9.012	543.6
96	75000	.00000	904.00	.2517	.2062	.2166	.8762-02	.7173-02	.7543-02	5.132	40.17	575.5
96	75000	.25000-01	905.00	.3762	.3055	.3364	.1310-01	.1064-01	.1171-01	7.309	56.44	604.1
96	75000	50000-01	906.00	.3091	.2534	.2868	.1076-01	.8821-02	.1005-01	6.318	46.20	575.1
96	75000	1.00000+00	907.00	.2488	.2043	.2373	.8662-02	.7111-02	.8261-02	5.128	35.24	570.1

(RVIL04)

AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) (RBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
96	75000	20000	908.00	.2018	.1657	.1946	.7026-02	.5770-02	.6774-02	4.169	28.66	568.9
96	75000	30000	909.00	.1603	.1326	.1556	.5603-02	.4617-02	.5418-02	4.388	21.42	557.5
96	75000	40000	910.00	.1200	.0890-01	.1161	.4180-02	.3444-02	.4043-02	2.528	16.46	557.3
96	75000	60000	911.00	.1052	.0670-01	.1020	.3562-02	.3017-02	.3551-02	2.212	14.83	558.2
96	75000	80000	912.00	.0740-01	.6120-01	.7340-01	.2584-02	.2132-02	.2555-02	1.572	12.91	553.7
96	75000	90000	913.00	.6290-01	.5200-01	.6330-01	.2191-02	.1812-02	.2203-02	1.354	9.885	544.4
96	95000	95000	914.00	.4670-01	.3870-01	.4750-01	.1627-02	.1347-02	.1846-02	1.008	7.622	542.5
96	80000	90000	915.00	.3647	.2950	.3109	.1270-01	.1027-01	.1082-01	6.937	62.13	615.9
96	80000	20000	916.00	.2361	.1338	.2277	.8220-02	.6746-02	.7928-02	4.860	33.38	570.9
96	80000	40000	917.00	.3010	.2460	.2904	.1048-01	.8556-02	.1011-01	6.061	42.70	583.8
96	80000	90000	918.00	.6960-01	.5750-01	.6990-01	.2423-02	.2002-02	.2435-02	1.487	10.84	548.3
96	85000	00000	919.00	.4361	.3529	.3719	.1518-01	.1229-01	.1295-01	8.317	63.90	614.4
96	85000	20000	920.00	.1877	.1543	.1807	.6533-02	.5372-02	.6290-02	3.904	27.77	564.6
96	85000	40000	921.00	.2960	.2421	.2853	.1030-01	.8428-02	.9332-02	5.976	43.53	582.3
96	90000	03000	922.00	.2542	.2078	.2115	.8851-02	.7235-02	.7606-02	5.117	39.91	584.1
96	90000	10900+00	923.00	.2265	.1851	.2168	.7837-02	.6479-02	.7549-02	4.686	34.39	568.0
96	90000	20000	924.00	.1913	.1573	.1838	.6552-02	.5476-02	.6399-02	3.973	28.24	565.8
96	90000	30000	925.00	.1594	.1312	.1537	.5551-02	.4566-02	.5350-02	3.324	23.66	563.3
96	90000	50000	926.00	.2081	.1709	.2019	.7245-02	.5943-02	.6996-02	4.294	30.46	569.5
96	90000	80000	927.00	.2062	.1693	.2035	.7181-02	.5995-02	.7084-02	4.255	32.84	569.6
96	90000	90000	928.00	.1595	.1313	.1607	.5554-02	.4570-02	.5594-02	3.333	26.28	562.1
96	95000	00000	929.00	.1427	.1176	.1234	.4368-02	.4094-02	.4296-02	3.007	22.19	556.8
96	95000	50000-01	930.00	.1952	.1605	.1830	.6797-02	.5588-02	.6371-02	4.055	28.83	565.6
96	95000	10300+00	931.00	.1941	.1596	.1848	.6758-02	.5555-02	.6433-02	4.035	29.64	565.2
96	95000	20000	932.00	.1666	.1534	.1756	.6495-02	.5341-02	.6253-02	3.880	26.73	564.7
96	95000	30000	933.00	.1711	.1407	.1651	.5958-02	.4893-02	.5749-02	3.559	25.31	564.8
96	95000	50000	934.00	.1213	.0990-01	.1174	.4225-02	.3479-02	.4087-02	2.544	18.74	560.0
96	95000	70000	935.00	.1621	.1333	.1582	.5644-02	.4641-02	.5507-02	3.370	25.19	565.0
96	95000	80000	936.00	.1615	.1329	.1604	.5623-02	.4628-02	.5585-02	3.377	24.86	561.5
96	95000	90000	937.00	.1147	.0460-01	.1154	.3992-02	.3293-02	.4016-02	2.426	18.23	554.3

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAC 890

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L04)

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = -2.000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.5 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
10	8.000	3.744	30.10	2.000	202.0	863.6	.8800-01	1348.	97.70	3.963	3874.	.7600-04
11	8.000	3.738	30.08	2.000	202.0	863.0	.8800-01	1349.	97.70	3.960	3875.	.7589-04
12	8.000	3.737	30.09	2.000	202.0	862.9	.8800-01	1349.	97.70	3.960	3875.	.7588-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
10	.7863-07	.4920-01	.4920-01	0.0175
11	.7868-07	.4919-01	.4919-01	.2100-01
12	.7869-07	.4919-01	.4919-01	.2101-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAL.)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(14H) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
12	.30000	.00000	845.00	.4680-01	.3870-01	.4060-01	.2300-02	.1905-02	.1997-02	1.497	16.52	563.0
12	.30000	.50000-01	846.00	.1387	.1135	.1300	.6820-02	.5581-02	.6395-02	4.144	44.76	606.2
12	.30000	.10000+00	847.00	.1250	.1027	.1181	.6150-02	.5053-02	.5808-02	31.97	31.97	592.4
12	.30000	.20000	848.00	.1151	.0480-01	.1038	.5660-02	.4663-02	.5400-02	3.822	25.18	582.7
12	.30000	.40000	850.00	.6230-01	.5130-01	.6010-01	.3066-02	.2525-02	.2949-02	2.927	13.57	585.4
12	.30000	.50000	851.00	.6570-01	.5410-01	.6370-01	.3234-02	.2660-02	.3134-02	2.024	14.70	588.0
12	.30000	.60000	852.00	.1086	.8930-01	.1032	.5341-02	.4393-02	.5174-02	3.339	24.24	588.7
12	.30000	.70000	853.00	.1591	.1305	.1543	.7823-02	.6421-02	.7588-02	4.833	33.84	596.1
12	.30000	.80000	854.00	.2143	.1755	.2039	.1054-01	.8634-02	.1028-01	6.446	46.51	602.2
12	.30000	.90000	855.00	.1183	.9770-01	.1181	.5817-02	.4805-02	.5808-02	3.726	26.82	573.4
12	.30000	.95000	856.00	.1068	.8930-01	.1076	.5251-02	.4342-02	.5253-02	3.383	24.00	569.6
12	.35000	.00000	857.00	.1155	.9510-01	.9330-01	.5679-02	.4680-02	.4911-02	3.587	30.15	582.3
12	.40000	.00000	858.00	.2074	.1685	.1774	.1020-01	.8287-02	.8725-02	5.953	57.76	630.4
12	.40000	.50000-01	859.00	.3711	.3009	.3337	.1825-01	.1480-01	.1671-01	10.55	72.46	635.9
12	.40000	.10000+00	860.00	.2310	.1887	.2176	.1136-01	.9275-02	.1070-01	5.828	47.42	612.9
12	.40000	.20000	861.00	.1230	.1010	.1134	.6050-02	.4967-02	.5822-02	3.742	27.08	595.4
12	.40000	.30000	862.00	1.007	.8270-01	.9750-01	.4952-02	.4070-02	.4797-02	3.081	21.62	591.7

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-498) COLLISION DECK
OH-498 (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/REF (TAW)	H18TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTNOT DEG. R /SEC	TH DEG. R
12	40000	40000	863.00	8490-01	6980-01	8230-01	4175-02	3434-02	4046-02	2.608	19.58	589.3
12	40000	60000	864.00	1209	9950-01	1150	5946-02	4896-02	5748-02	3.737	24.71	585.4
12	40000	70000	865.00	1457	1199	1411	7156-02	5896-02	6942-02	4.487	29.64	587.7
12	40000	75000	866.00	1319	1087	1234	6430-02	5345-02	6313-02	4.089	29.77	583.8
12	40000	80000	867.00	1186	9790-01	1173	5811-02	4815-02	5767-02	3.726	27.71	574.9
12	40000	90000	868.00	9960-01	8230-01	1032	4900-02	4049-02	4929-02	3.145	26.57	572.1
12	40000	95000	869.00	9310-01	7700-01	9430-01	4577-02	3785-02	4637-02	2.949	23.59	569.5
12	50700	00000	871.00	5762	4567	4835	2834-01	2246-01	2378-01	14.61	111.8	694.6
12	50000	50000-01	872.00	3746	3030	3446	1842-01	1491-01	1695-01	10.53	77.04	642.5
12	50000	10000+00	873.00	2210-01	1840-01	2110-01	1089-02	9063-03	1040-02	7290	5.408	544.9
12	50000	20000	874.00	1602	1315	1546	7882-02	6470-02	7502-02	4.871	34.11	595.9
12	30000	30000	875.00	1217	1001	1177	5988-02	4922-02	5790-02	3.730	26.18	581.0
12	50300	40000	876.00	1101	9050-01	1035	5413-02	4451-02	5240-02	3.377	23.72	589.9
12	50000	60000	877.00	1206	9320-01	1138	5930-02	4877-02	5747-02	3.707	25.24	588.7
12	50000	90000	878.00	8900-01	7360-01	8630-01	4376-02	3618-02	4252-02	2.816	21.72	570.3
12	55000	00000	879.00	6750	5148	5436	3320-01	2532-01	2703-01	14.39	110.1	780.5
12	60000	00000	880.00	4454	3506	3717	2191-01	1724-01	1828-01	10.92	93.28	715.5
12	50000	25000-01	881.00	5418	4315	4820	2665-01	2122-01	2371-01	14.06	100.8	686.2
12	60000	50000-01	882.00	3124	2514	2877	1538-01	1245-01	1449-01	8.538	78.19	658.2
12	60000	75000-01	883.00	3127	2532	2946	1538-01	1245-01	1449-01	8.835	62.59	639.4
12	60000	10000+00	884.00	2354	1921	2246	1158-01	9449-02	1105-01	6.937	48.13	614.6
12	60000	20000	885.00	1395	1146	1349	6862-02	5635-02	6634-02	4.250	29.78	594.5
12	60000	30000	886.00	1262	1037	1220	6208-02	5098-02	6001-02	3.847	25.33	594.2
12	60000	40000	887.00	1175	9650-01	1135	5779-02	4747-02	5581-02	3.584	24.34	593.7
12	60000	50000	888.00	1303	1071	1232	6408-02	5268-02	6207-02	3.993	27.16	590.7
12	60000	60000	889.00	1543	1269	1436	7592-02	6242-02	7357-02	4.737	32.23	590.0
12	60000	70000	890.00	1475	1212	1439	7254-02	5968-02	7078-02	4.540	31.92	588.0
12	60000	80000	891.00	1046	8630-01	1034	5142-02	4244-02	5086-02	3.275	23.92	577.0
12	60000	90000	892.00	1059	8750-01	1033	5210-02	4304-02	5177-02	3.339	24.04	572.9
12	60000	95000	893.00	8580-01	7430-01	9030-01	4419-02	3655-02	4454-02	2.852	21.28	568.3
12	60000	00000	894.00	3333	2673	7320 01	3553-02	2943-02	3553-02	2.312	17.29	563.3
12	65000	00000	895.00	1555	1263	1330	1639-01	1315-01	1388-01	8.954	72.21	667.7
12	70000	25000-01	896.00	2437	1987	2139	7648-02	6213-02	6541-02	7.129	56.09	629.9
12	70000	50000+00	897.00	2479	2025	2331	1199-01	9771-02	1076-01	7.336	49.37	612.2
12	70000	75000	898.00	1804	1481	1738	1219-01	9960-02	1161-01	5.478	33.03	596.5
12	70000	00000	899.00	1451	1193	1435	7135-02	5867-02	6548-02	4.452	26.92	590.0
12	70000	40000	901.00	1389	1142	1345	6631-02	5616-02	6613-02	4.258	26.48	590.5
12	70000	60000	902.00	1655	1361	1634	8142-02	6693-02	7890-02	5.073	31.54	590.9
12	70000	90000	903.00	1730	1426	1740	8507-02	7013-02	8558-02	5.385	37.99	580.9
12	75000	00000	904.00	3132	2546	2630	1541-01	1252-01	1318-01	9.026	68.90	628.0
12	75000	25000-01	905.00	4215	3395	3731	2073-01	1670-01	1845-01	11.57	87.12	655.9
12	75000	50000-01	906.00	4432	3597	4125	2180-01	1769-01	2029-01	12.67	90.08	632.5

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L04)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	4/HREF (TAH)	H(19T) BTU/ R FT2SEC	H(1T) BTU/ R FT2SEC	H(1AH) BTU/ R FT2SEC	QOOT BTU/ FT2SEC	DTMOI DEG. R /SEC	TW DEG. R
12	.75000	.10000+00	907.00	.4946	.3997	.4697	.2433-01	.1966-01	.2310-01	13.82	91.52	645.7
12	.75000	.20000	908.00	.3933	.3192	.3782	.1934-01	.1570-01	.1860-01	11.23	74.84	633.1
12	.75000	.30000	909.00	.2488	.2040	.2403	.1224-01	.1004-01	.1182-01	7.526	46.62	598.8
12	.75000	.40000	910.00	.1462	.1202	.1414	.7192-02	.5913-02	.6954-02	4.484	28.71	590.4
12	.75000	.50000	911.00	.1459	.1201	.1414	.7177-02	.5908-02	.6957-02	4.505	29.78	586.2
12	.75000	.60000	912.00	.1608	.1324	.1590	.7910-02	.6510-02	.7818-02	4.961	40.07	586.7
12	.75000	.70000	913.00	.1564	.1291	.1572	.7691-02	.6349-02	.7734-02	4.908	35.28	575.8
12	.75000	.80000	914.00	.1290	.1065	.1305	.6343-02	.5238-02	.6418-02	4.053	30.14	574.9
12	.80000	.90000	915.00	.3773	.3029	.3130	.1855-01	.1490-01	.1573-01	10.20	89.25	664.2
12	.80000	.00000	916.00	.4658	.3778	.4432	.2291-01	.1858-01	.2204-01	13.27	88.38	634.4
12	.80000	.10000	917.00	.4583	.3712	.4413	.2254-01	.1826-01	.2171-01	12.96	88.84	639.1
12	.80000	.20000	918.00	.1834	.1510	.1843	.9020-02	.7428-02	.9065-02	5.679	40.65	584.3
12	.85000	.30000	919.00	.4406	.3543	.3739	.2167-01	.1743-01	.1839-01	12.01	90.28	627.7
12	.85000	.40000	920.00	.3833	.3116	.3631	.1685-01	.1533-01	.1810-01	11.05	76.20	627.7
12	.85000	.50000	921.00	.4193	.3405	.4035	.2062-01	.1675-01	.1965-01	12.01	85.43	631.4
12	.90000	.60000	922.00	.2498	.2040	.2145	.1229-01	.1004-01	.1055-01	7.381	56.75	613.2
12	.90000	.70000	923.00	.2384	.1959	.2282	.1173-01	.9633-02	.1122-01	7.280	52.75	593.1
12	.90000	.80000	924.00	.2412	.1979	.2315	.1186-01	.9733-02	.1139-01	7.315	51.20	597.2
12	.90000	.90000	925.00	.3505	.2857	.3372	.1724-01	.1405-01	.1659-01	10.25	70.92	619.7
12	.90000	.00000	926.00	.3658	.3138	.3719	.1898-01	.1544-01	.1829-01	11.16	77.03	625.7
12	.90000	.10000	927.00	.2574	.2110	.2539	.1266-01	.1038-01	.1249-01	7.768	59.02	600.5
12	.90000	.20000	928.00	.2120	.1742	.2135	.1043-01	.8569-02	.1050-01	6.489	50.42	591.6
12	.95000	.30000	929.00	.1414	.1168	.1225	.6955-02	.5747-02	.6027-02	4.462	32.67	572.4
12	.95000	.40000	930.00	.1958	.1611	.1836	.9629-02	.7926-02	.9028-02	6.042	42.51	586.4
12	.95000	.50000	931.00	.1935	.1592	.1842	.9517-02	.7833-02	.9061-02	5.969	43.39	586.7
12	.95000	.60000	932.00	.1958	.1619	.1836	.9680-02	.7354-02	.9319-02	6.058	41.26	588.0
12	.95000	.70000	933.00	.2292	.1882	.2211	.1128-01	.9259-02	.1088-01	6.983	48.93	594.6
12	.95000	.80000	934.00	.2805	.2294	.2710	.1380-01	.1128-01	.1333-01	8.344	59.99	609.2
12	.95000	.90000	935.00	.2342	.1921	.2284	.1152-01	.9449-02	.1124-01	7.089	52.10	598.5
12	.95000	.00000	936.00	.2088	.1718	.2073	.1027-01	.8448-02	.1020-01	6.427	46.69	588.0
12	.95000	.10000	937.00	.1487	.1228	.1495	.7316-02	.6038-02	.7360-02	4.665	34.66	576.3

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(REV 1.05)

LOWER WING

PARAMETRIC DATA

ALPHA =	35.00	BETA =	.0000	ELEVTR =	.0000	SPDBRK =	.0000
BOFLAP =	.0000	MACH =	8.000				

••TEST CONDITIONS••

RUN NUMBER	MACH	RM/L X10 6	ALPHA DEG.	YAP DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
178	7.900	.5382	35.08	.0000	180.0	109.8	.1200-01	1270.	94.20	.5330	3757.	.1086-04
179	7.900	.5388	35.09	.0000	180.0	109.8	.1200-01	1269.	94.10	.5330	3756.	.1087-04
180	7.900	.5428	35.09	.0000	180.0	110.7	.1200-01	1270.	94.20	.5370	3757.	.1096-04

TEST DATA..

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/ FEF (TAN)	H(10) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(TAN) BTU/ R F12SEC	QOOT BTU/ R F12SEC	DTWOT DEG. R /SEC	TW DEG. R
180	30300	00000	845.00	.4160-01	.3440-01	.3670-01	.7457-03	.6103-03	.6572-03	.4530	5.074	534.8
180	30000	.50000-01	846.00	.1419	.1169	.1335	.2544-02	.2096-02	.2340-02	1.511	16.79	549.0
180	30000	10000+00	847.00	.1250	.1031	.1137	.2544-02	.1849-02	.2074-02	1.341	11.49	544.6
180	30000	20000	848.00	.1155	.0930-01	.1079	.2071-02	.1709-02	.1934-02	1.243	8.937	542.7
180	30000	30000	850.00	.7300-01	.6030-01	.6890-01	.1310-02	.1080-02	.1233-02	.7840	5.631	544.4
180	30000	.50000-01	851.00	.9500-01	.4930-01	.5640-01	.1067-02	.0803-03	.1012-02	.6390	4.747	543.8
180	30000	.60000-01	852.00	.5430-01	.4480-01	.5130-01	.9729-03	.8031-03	.9227-03	.5840	4.345	542.1
180	30000	70000	853.00	.4260-01	.4030-01	.4710-01	.8631-03	.7342-03	.8445-03	.5350	3.851	541.1
180	30000	80000	854.00	.5020-01	.4190-01	.4830-01	.9007-03	.7441-03	.8603-03	.5430	4.045	539.5
180	30000	90000	855.00	.3340-01	.2620-01	.3330-01	.5459-03	.4519-03	.5336-03	.3330	2.450	532.1
180	30000	.95000-01	856.00	.3140-01	.2600-01	.3130-01	.5632-03	.4655-03	.5560-03	.3450	2.495	530.6
180	35000	00000	857.00	.1171	.0670-01	.1031	.2100-02	.1733-02	.1848-02	1.259	10.79	543.5
180	40000	.00000	858.00	.1768	.1454	.1552	.3173-02	.2607-02	.2782-02	1.863	18.77	555.0
180	40000	.50000-01	859.00	.3521	.2894	.3176	.6314-02	.5169-02	.5695-02	3.697	26.39	557.3
180	40000	10000+00	860.00	.2377	.1957	.2137	.4263-02	.3510-02	.3939-02	2.522	18.06	551.1
180	40000	20000	861.00	.1370	.1231	.1291	.2457-02	.2026-02	.2315-02	1.465	10.86	546.1
180	40000	30000	862.00	.1114	.0910-01	.1056	.1937-02	.1647-02	.1894-02	1.195	8.579	544.9

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(RV1L05)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTNOT DEG. R /SEC	TH DEG. R
180	.40000	.40000	863.00	.9080-01	.7490-01	.8610-01	.1628-02	.1343-02	.1545-02	.9750	7.493	543.9
180	.40000	.60000	864.00	.8750-01	.7230-01	.8290-01	.1570-02	.1297-02	.1486-02	.9470	6.410	539.5
180	.40000	.70000	865.00	.8370-01	.6910-01	.7940-01	.1501-02	.1240-02	.1423-02	.9050	6.123	539.8
180	.40000	.75000	866.00	.7020-01	.5800-01	.6590-01	.1259-02	.1041-02	.1199-02	.7610	5.671	538.2
180	.40000	.85000	867.00	.5680-01	.4700-01	.5500-01	.1019-02	.8427-03	.9862-03	.5190	4.699	534.9
180	.40000	.90000	868.00	.4900-01	.4050-01	.4820-01	.8779-03	.7265-03	.8647-03	.5350	4.607	533.6
180	.40000	.95000	869.00	.4020-01	.3330-01	.3980-01	.7204-03	.5964-03	.7149-03	.4400	3.584	532.4
180	.50000	.00000	871.00	.5237	.4279	.4577	.9390-02	.7673-02	.8206-02	5.326	43.26	575.7
180	.50000	.50000-01	872.00	.3624	.2979	.3287	.6499-02	.5341-02	.5893-02	3.807	29.06	557.0
180	.50000	.10000+00	873.00	.2170	.1789	.2123	.3891-02	.3207-02	.3626-02	2.318	17.19	547.1
180	.50000	.20000	874.00	.1467	.1210	.1385	.2630-02	.2170-02	.2484-02	1.576	11.33	543.4
180	.50000	.30000	875.00	.1123	.9270-01	.1164	.2014-02	.1663-02	.1907-02	1.210	8.708	541.9
180	.50000	.40000	876.00	.9400-01	.7760-01	.8310-01	.1685-02	.1391-02	.1597-02	1.013	7.290	541.6
180	.50000	.60000	877.00	.7720-01	.6380-01	.7320-01	.1384-02	.1143-02	.1313-02	.8350	5.827	539.3
180	.50000	.60000	878.00	.4580-01	.3790-01	.4350-01	.8208-03	.6794-03	.7807-03	.5010	3.939	532.5
180	.50000	.00000	879.00	.6801	.5492	.5893	.1219-01	.9947-02	.1057-01	6.494	53.84	610.3
180	.60000	.00000	880.00	.6025	.4882	.5335	.1280-01	.8753-02	.9386-02	5.858	52.86	600.6
180	.60000	.25000-01	881.00	.6638	.5415	.5962	.1190-01	.9710-02	.1051-01	6.696	50.51	580.3
180	.60000	.50000-01	882.00	.3434	.2815	.3119	.6158-02	.5048-02	.5593-02	3.557	34.09	565.2
180	.60000	.75000-01	883.00	.3489	.2866	.3230	.6256-02	.5134-02	.5791-02	3.658	26.97	558.1
180	.60000	.10000+00	884.00	.2606	.2147	.2439	.4672-02	.3850-02	.4373-02	2.778	19.92	548.3
180	.60000	.20000	885.00	.1676	.1383	.1585	.3004-02	.2480-02	.2844-02	1.805	12.98	542.2
180	.60000	.30000	886.00	.1497	.1236	.1417	.2684-02	.2216-02	.2541-02	1.614	10.91	541.6
180	.60000	.40000	887.00	.1362	.1125	.1283	.2442-02	.2016-02	.2310-02	1.468	10.24	541.6
180	.60000	.50000	888.00	.1201	.9930-01	.1140	.1894-02	.1565-02	.1797-02	1.146	8.009	539.5
180	.60000	.60000	889.00	.1056	.8730-01	.1302	.1175-02	.9723-03	.1138-02	.7150	5.340	534.0
180	.60000	.60000	891.00	.6550-01	.5420-01	.5340-01	.1299-02	.1975-02	.1263-02	.7920	5.819	532.9
180	.60000	.80000	892.00	.7240-01	.5990-01	.7350-01	.1092-02	.9041-03	.1078-02	.6680	5.079	530.9
180	.60000	.90000	893.00	.6090-01	.5040-01	.6110-01	.8094-03	.6706-03	.8033-03	.4960	3.776	529.6
180	.60000	.95000	894.00	.4510-01	.3740-01	.4480-01	.5770-02	.4723-02	.5049-02	3.306	27.96	569.9
180	.65000	.00000	895.00	.7718	.2634	.2315	.2807-02	.2308-02	.2464-02	1.648	21.46	555.9
180	.70000	.00000	896.00	.1566	.1287	.1374	.4340-02	.3573-02	.3445-02	2.569	23.77	550.9
180	.70000	.25000-01	897.00	.2421	.1993	.2144	.4371-02	.3605-02	.4084-02	2.612	18.17	545.3
180	.70000	.40000	898.00	.2438	.2011	.2279	.3464-02	.2861-02	.3269-02	2.085	12.92	541.1
180	.70000	.60000	899.00	.1932	.1595	.1823	.2786-02	.2299-02	.2334-02	1.682	10.44	538.1
180	.70000	.80000	900.00	.1551	.1282	.1471	.2461-02	.2035-02	.2086-02	1.491	9.520	537.3
180	.70000	.90000	901.00	.1373	.1135	.1170	.2198-02	.1818-02	.2066-02	1.333	8.517	535.5
180	.70000	.90000	902.00	.1226	.1014	.1164	.1172-02	.9703-03	.1154-02	.7170	5.191	530.6
180	.70000	.6530-01	903.00	.5410-01	.5410-01	.6440-01	.2903-02	.2404-02	.2561-02	1.778	11.25	530.3
180	.70000	.90000	904.00	.1519	.1341	.1428	.5003-02	.4928-02	.5298-02	3.495	27.57	560.7
180	.75000	.00000	905.00	.3348	.2749	.2955	.5920-02	.4876-02	.5423-02	3.512	26.01	549.7
180	.75000	.25000-01	906.00	.3302	.2720	.3025	.4855-02	.4003-02	.4535-02	2.896	20.14	546.3
180	.75000	.50000-01	907.00	.2708	.2233	.2523						

AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) CRBITER LOWER WING

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
180	75000	.20000	908.00	.1712	.1414	.1517	.3069-02	.2535-02	.2898-02	1.848	12.89	540.7
180	75000	.30000	909.00	.1582	.1308	.1458	.2837-02	.2346-02	.2086-02	1.719	10.98	537.0
180	75000	.40000	910.00	.1339	.1107	.1269	.2401-02	.1985-02	.2274-02	1.455	9.569	537.0
180	75000	.60000	911.00	.1217	.1006	.1155	.2181-02	.1805-02	.2071-02	1.327	9.002	534.5
180	75000	.80000	912.00	.8100-01	.5700-01	.7849-01	.1452-02	.1202-02	.1405-02	.8850	7.345	533.1
180	75000	.90000	913.00	.6960-01	.5770-01	.6360-01	.1248-02	.1034-02	.1229-02	.7660	5.636	529.4
180	75000	.95000	914.00	.5060-01	.4190-01	.5010-01	.9067-03	.7515-03	.8985-03	.5570	4.242	528.3
180	80000	.00000	915.00	.2809	.2304	.2461	.5036-02	.4132-02	.4413-02	2.921	26.86	562.9
180	80000	.20000	916.00	.1882	.1555	.1778	.3374-02	.2787-02	.3188-02	2.037	14.22	538.9
180	80000	.40000	917.00	.1375	.1137	.1301	.2466-02	.2030-02	.2333-02	1.494	10.77	537.1
180	80000	.60000	918.00	.7570-01	.6270-01	.7450-01	.1358-02	.1125-02	.1336-02	.8320	6.120	530.1
180	80000	.80000	919.00	.3430	.2815	.3006	.6150-02	.5047-02	.5341-02	3.575	28.20	561.5
180	85000	.00000	920.00	.1859	.1544	.1762	.3351-02	.2768-02	.3155-02	2.020	14.55	540.0
180	85000	.20000	921.00	.1443	.1192	.1363	.2587-02	.2138-02	.2445-02	1.565	11.66	537.9
180	85000	.40000	922.00	.2038	.1680	.2192	.3653-02	.3012-02	.3213-02	2.179	17.32	546.3
180	90000	.00000	923.00	.2231	.1842	.2192	.3999-02	.3303-02	.3750-02	2.409	17.92	540.5
180	90000	.10000-00	924.00	.1876	.1549	.1765	.3364-02	.2778-02	.3165-02	2.025	14.57	541.0
180	90000	.20000	925.00	.1671	.1356	.1549	.2942-02	.2431-02	.2777-02	1.778	12.81	538.5
180	90000	.30000	926.00	.1428	.1181	.1351	.2560-02	.2117-02	.2422-02	1.553	11.21	536.1
180	90000	.40000	927.00	.9190-01	.7600-01	.8370-01	.1847-02	.1363-02	.1531-02	1.004	7.887	533.5
180	90000	.60000	928.00	.7510-01	.6220-01	.7410-01	.1347-02	.1115-02	.1328-02	.8240	6.605	530.7
180	90000	.80000	929.00	.1118	.9250-01	.9350-01	.2004-02	.1659-02	.1767-02	1.222	9.127	533.1
180	95000	.00000	930.00	.1677	.1366	.1542	.3007-02	.2485-02	.2765-02	1.818	13.10	538.4
180	95000	.10000-00	931.00	.1697	.1394	.1574	.3025-02	.2499-02	.2822-02	1.824	13.58	539.8
180	95000	.20000	932.00	.1727	.1427	.1628	.3096-02	.2558-02	.2919-02	1.870	13.05	538.9
180	95000	.30000	933.00	.1676	.1384	.1563	.3004-02	.2482-02	.2839-02	1.815	13.08	538.8
180	95000	.40000	934.00	.1219	.1008	.1154	.2185-02	.1807-02	.2070-02	1.328	9.903	535.3
180	95000	.50000	935.00	.1002	.8290-01	.9570-01	.1796-02	.1486-02	.1716-02	1.094	8.302	534.0
180	95000	.60000	936.00	.9940-01	.8230-01	.9570-01	.1783-02	.1476-02	.1733-02	1.090	8.148	531.3
180	95000	.70000	937.00	.6860-01	.5680-01	.6760-01	.1230-02	.1019-02	.1211-02	.7550	5.745	529.0

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 25 AUG 76 AEOC VKF V418-57A (OH-498) COLLATION DECK
OH-498 (AEOC V418-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 SPDRBK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
151	7.940	1.049	35.08	.0000	180.0	211.9	.2300-01	1250.	91.90	1.006	3729.	.2081-04
152	7.940	1.043	35.09	.0000	180.0	211.7	.2300-01	1254.	92.20	1.005	3735.	.2072-04
153	7.940	1.029	35.09	.0000	180.0	210.3	.2300-01	1260.	92.60	.9980	3744.	.2049-04

RUN NUMBER	MU LB-SEC /F12	HREF BTU/ R F12 SEC	ST FR R =
151	.7396-07	.2446-01	0.0175
152	.7421-07	.2446-01	.3980-01
153	.7456-07	.2440-01	.3990-01
			.4014-01

TEST DATA

RUN NUMBER	2Y/P	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
153	.30000	.00000	845.00	.4030-01	.3320-01	.3540-01	.9836-03	.8096-03	.8639-03	.5770	6.415	547.7
153	.30000	.50000-01	846.00	.1359	.1113	.1247	.3316-02	.2716-02	.3043-02	1.889	20.83	564.5
153	.30000	.10000+00	847.00	.1284	.1053	.1185	.3134-02	.2569-02	.2893-02	1.797	15.26	561.0
153	.30000	.20000	848.00	.1146	.0910-01	.1068	.2797-02	.2295-02	.2607-02	1.613	11.51	557.8
153	.30000	.40000	850.00	.6970-01	.5720-01	.6550-01	.1701-02	.1395-02	.1598-02	.9770	6.966	559.8
153	.30000	.50000	851.00	.5300-01	.4350-01	.5020-01	.1294-02	.1061-02	.1225-02	.7430	5.471	560.1
153	.30000	.60000	852.00	.5020-01	.4120-01	.4760-01	.1225-02	.1006-02	.1161-02	.7050	5.194	559.4
153	.30000	.70000	853.00	.4410-01	.3620-01	.4180-01	.1176-02	.0838-03	.1021-02	.6200	4.427	558.2
153	.30000	.80000	854.00	.4620-01	.3960-01	.4600-01	.1176-02	.0852-03	.1121-02	.6790	5.008	557.0
153	.30000	.90000	855.00	.3160-01	.2600-01	.3080-01	.7707-03	.6343-03	.7527-03	.4620	3.295	547.9
153	.30000	.95000	856.00	.3740-01	.3080-01	.3690-01	.9131-03	.7520-03	.9009-03	.5370	3.858	545.8
153	.35000	.00000	857.00	.9360-01	.7680-01	.8200-01	.2293-02	.1873-02	.2001-02	1.316	11.20	557.6
153	.40000	.00000	858.00	.1770	.1445	.1546	.4319-02	.3527-02	.3773-02	2.426	24.22	572.4
153	.40000	.50000-01	859.00	.3484	.2842	.3130	.8502-02	.6935-02	.7638-02	4.744	33.55	576.3
153	.40000	.10000+00	860.00	.2310	.1890	.2129	.5638-02	.4611-02	.5195-02	3.191	22.65	568.3
153	.40000	.20000	861.00	.1341	.1099	.1261	.3273-02	.2681-02	.3077-02	1.868	13.74	563.6
153	.40000	.30000	862.00	.1090	.0930-01	.1032	.2661-02	.2180-02	.2518-02	1.521	10.83	562.6

AEDC VKF V41B-57A (OH-498) COLLATION DECK

DATE 25 AUG 76

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAW)	H(190) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
153	.40000	.40000	863.00	.9100-01	.7450-01	.8610-01	.2219-02	.1819-02	.2101-02	1.271	9.681	561.4
153	.40000	.60000	864.00	.8850-01	.7260-01	.8350-01	.2159-02	.1771-02	.2039-02	1.242	8.322	559.0
153	.40000	.70000	865.00	.8810-01	.7230-01	.8300-01	.2149-02	.1763-02	.2034-02	1.238	8.301	558.1
153	.40000	.75000	866.00	.7460-01	.6120-01	.7030-01	.1820-02	.1494-02	.1730-02	1.050	7.750	557.0
153	.40000	.85000	867.00	.6330-01	.5210-01	.6120-01	.1546-02	.1270-02	.1494-02	.8990	6.761	552.5
153	.40000	.90000	868.00	.5250-01	.4350-01	.5210-01	.1291-02	.1062-02	.1271-02	.7540	6.440	550.3
153	.40000	.95000	869.00	.4500-01	.3700-01	.4450-01	.1098-02	.9037-03	.1089-02	.6440	5.203	548.1
153	.50000	.00000	871.00	.5238	.4239	.4547	.1278-01	.1034-01	.1110-01	6.833	54.84	599.6
153	.50000	.00000	872.00	.3540	.2887	.3137	.8638-02	.7044-02	.7301-02	4.811	36.35	577.3
153	.50000	.10000+00	873.00	.2085	.1707	.1938	.5087-02	.4165-02	.4728-02	2.895	21.27	565.2
153	.50000	.20000	874.00	.1432	.1174	.1350	.3495-02	.2864-02	.3294-02	1.999	14.24	562.2
153	.50000	.30000	875.00	.1112	.0920-01	.1030	.2713-02	.2225-02	.2553-02	1.556	11.09	560.6
153	.50000	.40000	876.00	.9410-01	.7720-01	.8930-01	.2296-02	.1893-02	.2172-02	1.319	9.403	559.9
153	.50000	.50000	877.00	.7230-01	.5930-01	.6830-01	.1764-02	.1447-02	.1671-02	1.015	7.018	558.7
153	.500+3	.90000	878.00	.4460-01	.3670-01	.4230-01	.1089-02	.8954-03	.1033-02	.6370	4.965	549.1
153	.55000	.00000	879.00	.6646	.5289	.5733	.1622-01	.1291-01	.1392-01	7.967	65.02	643.0
153	.60000	.00000	880.00	.6011	.4902	.5172	.1467-01	.1172-01	.1262-01	65.21	65.21	633.7
153	.60000	.25000-01	881.00	.6614	.5336	.5830	.1614-01	.1302-01	.1415-01	8.489	63.5	608.3
153	.60000	.50000-01	882.00	.3551	.2803	.3120	.8422-02	.6841-02	.7613-02	4.591	43.48	589.1
153	.60000	.75000-01	883.00	.3575	.2913	.3238	.8725-02	.7109-02	.8049-02	4.838	35.29	579.7
153	.60000	.10000+00	884.00	.2638	.2158	.2453	.6438-02	.5267-02	.6010-02	3.650	25.92	567.4
153	.60000	.20000	885.00	.1659	.1359	.1577	.4072-02	.3340-02	.3847-02	2.340	15.68	559.7
153	.60000	.30000	886.00	.1514	.1241	.1430	.3595-02	.3028-02	.3490-02	2.113	14.13	562.4
153	.60000	.40000	887.00	.1318	.1030	.1243	.3215-02	.2635-02	.3034-02	1.838	12.68	560.7
153	.60000	.50000	888.00	.1221	.1001	.1156	.2980-02	.2443-02	.2821-02	1.709	11.80	558.5
153	.60000	.60000	889.00	.1081	.8870-01	.1024	.2638-02	.2164-02	.2498-02	1.519	10.50	553.4
153	.60000	.80000	891.00	.6710-01	.5510-01	.6430-01	.1637-02	.1345-02	.1582-02	.9510	7.027	551.8
153	.60000	.90000	892.00	.7540-01	.6200-01	.7330-01	.1841-02	.1513-02	.1769-02	1.072	7.801	548.8
153	.60000	.00000	893.00	.6260-01	.5170-01	.6230-01	.1533-02	.1261-02	.1512-02	.8970	6.760	546.1
153	.60000	.55000	894.00	.4550-01	.3950-01	.4810-01	.1183-02	.9739-03	.1173-02	.6960	5.247	544.1
153	.65000	.00000	895.00	.3204	.2538	.2735	.7818-02	.6339-02	.6795-02	4.223	35.29	594.1
153	.70000	.00000	896.00	.1566	.1277	.1357	.3822-02	.3117-02	.3335-02	2.129	27.44	577.2
153	.70000	.25000-01	897.00	.2414	.1972	.2137	.5890-02	.4912-02	.5311-02	3.314	30.34	571.5
153	.70000	.10000+00	898.00	.2416	.1978	.2251	.5895-02	.4827-02	.5493-02	3.354	23.10	565.4
153	.70000	.20000	899.00	.1553	.1602	.1839	.4765-02	.3909-02	.4487-02	2.154	16.83	559.1
153	.70000	.30000	900.00	.1531	.1256	.1448	.3735-02	.3065-02	.3534-02	2.154	13.24	557.5
153	.70000	.40000	901.00	.1352	.1117	.1238	.3323-02	.2727-02	.3144-02	1.917	12.12	558.4
153	.70000	.50000	902.00	.1230	.1009	.1155	.3001-02	.2462-02	.2842-02	1.728	10.92	558.4
153	.70000	.60000	903.00	.7120-01	.5860-01	.7010-01	.1738-02	.1430-02	.1711-02	1.016	7.280	549.7
153	.75000	.00000	904.00	.1082	.8900-01	.9530-01	.2642-02	.2171-02	.2318-02	1.537	12.18	552.4
153	.75000	.25000-01	905.00	.3335	.2619	.2927	.8141-02	.6623-02	.7142-02	4.477	34.91	584.3
153	.75000	.50000-01	906.00	.3205	.2619	.2925	.7822-02	.6392-02	.7139-02	4.406	32.28	570.9
153	.75000	.10000+00	907.00	.2596	.2206	.2511	.6578-02	.5382-02	.6127-02	3.732	25.68	567.0

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

PUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	OTWOT DEG. R /SEC	TW DEG. R
153	75000	.20000	908.00	.1810	.1485	.1706	.4418-02	.3623-02	.4163-02	2.540	17.55	559.4
153	75000	.30000	909.00	.1553	.1275	.1467	.3790-02	.3111-02	.3580-02	2.190	13.86	556.3
153	75000	.40000	910.00	.1369	.1124	.1294	.3340-02	.2742-02	.3157-02	1.929	12.56	556.8
153	75000	.50000	911.00	.1231	.1011	.1166	.3005-02	.2467-02	.2846-02	1.739	11.67	555.6
153	75000	.60000	912.00	.8040-01	.6610-01	.7770-01	.1963-02	.1613-02	.1897-02	1.139	9.352	553.9
153	75000	.70000	913.00	.7170-01	.5900-01	.7050-01	.1749-02	.1440-02	.1721-02	1.054	7.466	548.6
153	75000	.80000	914.00	.5480-01	.4510-01	.5430-01	.1337-02	.1101-02	.1324-02	.7860	5.925	546.7
153	80000	.90000	915.00	.2835	.2304	.2468	.6918-02	.5623-02	.6023-02	3.785	34.39	587.1
153	80000	.00000	916.00	.1657	.1360	.1563	.4044-02	.3319-02	.3813-02	2.333	16.14	557.3
153	80000	.10000	917.00	.1355	.1112	.1279	.3306-02	.2713-02	.3121-02	1.908	13.62	557.2
153	80000	.20000	918.00	.7670-01	.6310-01	.7553-01	.1873-02	.1541-02	.1842-02	1.095	7.974	545.7
153	80000	.30000	919.00	.3394	.2760	.2956	.8282-02	.6734-02	.7113-02	4.540	35.38	586.0
153	85000	.40000	920.00	.1879	.1542	.1768	.4585-02	.3763-02	.4313-02	2.644	18.87	557.6
153	85000	.50000	921.00	.1443	.1184	.1361	.3522-02	.2889-02	.3320-02	2.028	14.95	558.4
153	85000	.60000	922.00	.1982	.1622	.1734	.4836-02	.3958-02	.4231-02	2.745	21.60	566.6
153	90000	.70000	923.00	.2110	.1730	.1973	.5149-02	.4222-02	.4815-02	2.955	21.76	560.4
153	90000	.80000	924.00	.1854	.1521	.1740	.4525-02	.3712-02	.4247-02	2.602	18.55	559.3
153	90000	.90000	925.00	.1688	.1385	.1589	.4118-02	.3379-02	.3878-02	2.374	16.95	557.7
153	90000	.00000	926.00	.1414	.1161	.1335	.3451-02	.2834-02	.3258-02	1.995	14.25	556.3
153	90000	.10000	927.00	.1051	.8640-01	.1013	.2564-02	.2107-02	.2473-02	1.492	11.61	552.5
153	95000	.20000	928.00	.7770-01	.6390-01	.7850-01	.1895-02	.1559-02	.1858-02	1.109	8.801	549.1
153	95000	.30000	929.00	.1077	.8860-01	.9450-01	.2627-02	.2162-02	.2307-02	1.536	11.37	549.6
153	95000	.40000	930.00	.1638	.1345	.1502	.3998-02	.3282-02	.3664-02	2.309	16.49	556.8
153	95000	.50000	931.00	.1657	.1368	.1551	.4067-02	.3338-02	.3784-02	2.348	17.32	557.0
153	95000	.60000	932.00	.1653	.1357	.1555	.4034-02	.3312-02	.3756-02	2.330	16.12	556.7
153	95000	.70000	933.00	.1685	.1383	.1589	.4113-02	.3376-02	.3878-02	2.374	16.95	557.0
153	95000	.80000	934.00	.1191	.9780-01	.1126	.2907-02	.2387-02	.2748-02	1.683	12.43	555.2
153	95000	.90000	935.00	.1020	.8380-01	.3730-01	.2489-02	.2045-02	.2374-02	1.444	10.86	553.8
153	95000	.00000	936.00	.1054	.8670-01	.1024	.2573-02	.2116-02	.2499-02	1.502	11.12	550.5
153	95000	.10000	937.00	.6860-01	.5650-01	.5751-01	.1673-02	.1378-02	.1647-02	.9820	7.408	547.1

DATE 25 AUG 76 AEDC VKF V418-57A (OH-498) COLLATION DECK

OH-498 (AEDC V418-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6	ALPHA DEG.	YAW DEG.	PHI MODEL	PO FSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
127	7.970	1.506	35.09	.0000	180.0	320.3	.3400-01	1286.	93.80	1.495	3783.	.3007-04
128	7.970	1.508	35.07	.0000	180.0	323.0	.3400-01	1291.	94.20	1.508	3791.	.3019-04
129	7.970	1.493	35.06	.0000	180.0	320.0	.3400-01	1292.	94.30	1.494	3792.	.2989-04

RUN NUMBER	MJ LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
127	.7553-07	.2997-01	0.0175
128	.7587-07	.3012-01	.3316-01
129	.7592-07	.2998-01	.3332-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
129	.30000	.00000	845.00	.4140-01	.3420-01	.3640-01	.1241-02	.1025-02	.1092-02	.7620	8.469	548.8
129	.30000	.50000-01	846.00	.1344	.1103	.1234	.4031-02	.3307-02	.3701-02	2.379	26.12	572.8
129	.30000	.10000+00	847.00	.1187	.9760-01	.1187	.3560-02	.2926-02	.3290-02	2.124	18.00	566.5
129	.30000	.20000	848.00	.1159	.9300-01	.1081	.3474-02	.2858-02	.3241-02	2.082	14.82	563.6
129	.30000	.40000	850.00	.6550-01	.5220-01	.5970-01	.1903-02	.1565-02	.1791-02	1.138	8.087	565.8
129	.30000	.50000	851.00	.4950-01	.4070-01	.4700-01	.1486-02	.1221-02	.1408-02	.8850	6.492	567.6
129	.30000	.60000	852.00	.5010-01	.1230-01	.4700-01	.1503-02	.1235-02	.1423-02	.8950	5.879	567.6
129	.30000	.70000	853.00	.4630-01	.3850-01	.4390-01	.1397-02	.1140-02	.1316-02	.8270	5.879	566.5
129	.30000	.80000	854.00	.5260-01	.4330-01	.5020-01	.1578-02	.1292-02	.1506-02	.9430	6.927	565.6
129	.30000	.90000	855.00	.3600-01	.2970-01	.3520-01	.1080-02	.8915-03	.1055-02	.6590	4.796	552.5
129	.30000	.95000	856.00	.4180-01	.3450-01	.4120-01	.1252-02	.1034-02	.1235-02	.7670	5.496	550.3
129	.35000	.00000	857.00	.8260-01	.6810-01	.7270-01	.2482-02	.2043-02	.2180-02	1.491	12.66	562.1
129	.40000	.00000	858.00	.1743	.1425	.1524	.5225-02	.4273-02	.4569-02	3.032	30.12	582.6
129	.40000	.50000-01	859.00	.3474	.2835	.3122	.1042-01	.8501-02	.9361-02	5.976	41.99	589.3
129	.40000	.10000+00	860.00	.2270	.1883	.2120	.6893-02	.5616-02	.6357-02	4.026	28.43	579.1
129	.40000	.20000	861.00	.1337	.1098	.1258	.4010-02	.3292-02	.3773-02	2.375	17.40	570.8
129	.40000	.30000	862.00	.1075	.8820-01	.1018	.3224-02	.2646-02	.3052-02	1.906	13.51	571.7

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER L'ING

(RV1L05)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (1AM)	H(19T) BTU/ R FT2SEC	H(10I) BTU/ R FT2SEC	H(1AM) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
129	40000	40000	863.00	8860-01	7270-01	8290-01	2657-02	2181-02	2517-02	1.575	11.94	570.3
129	40000	60000	864.00	8960-01	7360-01	8470-01	2687-02	2208-02	2539-02	1.602	10.69	566.7
129	40000	70000	865.00	9310-01	7650-01	8610-01	2790-02	2293-02	2643-02	1.664	11.10	566.8
129	40000	75000	866.00	8070-01	6640-01	7680-01	2421-02	1991-02	2303-02	1.449	10.65	564.6
129	85000	85000	867.00	6790-01	5590-01	6570-01	2036-02	1677-02	1969-02	1.231	9.227	558.5
129	40000	90000	868.00	5700-01	4700-01	5610-01	1708-02	1408-02	1682-02	1.036	8.824	556.2
129	40000	95000	869.00	4760-01	3930-01	4730-01	1428-02	1178-02	1417-02	0.890	7.003	554.4
129	50000	00000	871.00	5282	4267	4580	1584-01	1279-01	1373-01	6.610	68.44	619.3
129	50000	50000-01	872.00	3536	2882	3197	1060-01	8642-02	9573-02	6.044	45.32	592.8
129	50000	10000+00	873.00	2119	1736	1571	6354-02	5206-02	5909-02	3.723	27.19	577.1
129	50000	20000	874.00	1449	1190	1167	4345-02	3567-02	4098-02	2.574	18.26	570.6
129	50000	30000	875.00	1121	9200-01	1060	3361-02	2760-02	3177-02	1.993	14.14	570.0
129	50000	40000	876.00	9479-01	7780-01	6560-01	2838-02	2331-02	2686-02	1.686	11.97	568.9
129	50000	50000	877.00	7350-01	6040-01	6570-01	2205-02	1812-02	2089-02	1.315	9.052	566.6
129	50000	60000	878.00	4390-01	3620-01	4180-01	1318-02	1056-02	1252-02	0.810	6.222	555.4
129	55000	00000	879.00	6485	5133	5544	1944-01	1539-01	1662-01	9.541	76.77	672.4
129	60000	00000	880.00	6007	4777	5151	1901-01	1432-01	1544-01	9.035	79.17	661.4
129	60000	25000-01	881.00	6645	5347	5618	1992-01	1603-01	1744-01	10.60	78.01	631.0
129	60000	50000-01	882.00	3505	2845	3168	1051-01	8529-02	9497-02	5.849	54.92	606.5
129	60000	75000-01	883.00	3599	2925	3312	1076-01	8769-02	9930-02	6.123	44.35	594.1
129	60000	10000+00	884.00	2698	2201	2510	8059-02	6520-02	7526-02	4.710	33.27	578.6
129	60000	20000	885.00	1653	1365	1572	4936-02	4093-02	4713-02	2.953	20.94	570.7
129	60000	30000	886.00	1464	1217	1402	4449-02	3550-02	4204-02	2.627	17.48	572.6
129	60000	40000	887.00	1284	1054	1212	3851-02	3159-02	3635-02	2.273	15.60	572.8
129	60000	50000	888.00	1221	1002	1156	3661-02	3006-02	3467-02	2.168	14.89	570.8
129	60000	60000	889.00	1107	9100-01	1149	3320-02	2728-02	3146-02	1.976	13.59	567.9
129	60000	80000	891.00	6760-01	5570-01	6540-01	2028-02	1670-02	1962-02	1.224	9.015	559.7
129	60000	85000	892.00	8100-01	6680-01	7680-01	2430-02	2002-02	2362-02	1.471	10.68	557.4
129	60000	90000	893.00	6560-01	5410-01	6470-01	1966-02	1622-02	1941-02	1.197	8.995	554.2
129	60000	95000	894.00	4830-01	3930-01	4790-01	1449-02	1155-02	1437-02	0.890	6.663	551.5
129	65000	00000	895.00	3195	2589	2776	9579-02	7754-02	8323-02	5.295	43.90	610.3
129	70000	00000	896.00	1543	1260	1347	4626-02	3776-02	4040-02	2.657	34.05	588.7
129	70000	25000-01	897.00	2463	2015	2173	7384-02	6040-02	6314-02	4.289	39.06	582.2
129	70000	10000+00	898.00	2428	1991	2354	7281-02	5959-02	6787-02	4.280	29.34	575.1
129	70000	20000	899.00	1956	1608	1643	5866-02	4820-02	5527-02	3.494	21.37	567.4
129	70000	30000	901.00	1571	1292	1487	4710-02	3873-02	4460-02	2.817	17.25	564.9
129	70000	40000	901.00	1359	1116	1265	4073-02	3346-02	3856-02	2.422	15.23	568.3
129	70000	50000	902.00	1269	1042	1202	3804-02	3124-02	3604-02	2.261	14.21	568.6
129	70000	60000	903.00	7150-01	5900-01	7140-01	2145-02	1768-02	2112-02	1.303	9.310	555.5
129	75000	00000	904.00	1812	1497	1596	5433-02	4490-02	4785-02	3.342	26.54	547.9
129	75000	25000-01	905.00	3326	2707	2919	9974-02	8116-02	8752-02	5.630	43.60	598.5
129	75000	50000-01	906.00	3239	2649	2557	9711-02	7943-02	8867-02	5.640	41.09	582.2
129	75000	10000+00	907.00	2682	2197	2499	8040-02	6586-02	7493-02	4.708	32.23	577.4

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RV1105)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R FT2SEC	H(1T0) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
129	.75000	.20000	908.00	.1781	.1463	.1679	.5340-02	.4387-02	.5035-02	3.176	21.84	568.3
129	.75000	.30000	909.00	.1541	.1268	.1437	.4622-02	.3803-02	.4369-02	2.774	17.49	562.9
129	.75000	.40000	910.00	.1341	.1102	.1230	.4019-02	.3304-02	.3801-02	2.399	15.54	566.3
129	.75000	.60000	911.00	.1199	.9850-01	.1136	.3595-02	.2954-02	.3406-02	2.144	14.31	566.8
129	.75000	.80000	912.00	.8220-01	.6770-01	.7950-01	.2466-02	.2029-02	.2384-02	1.480	12.10	562.8
129	.75000	.90000	913.00	.7400-01	.6100-01	.7230-01	.2218-02	.1829-02	.2183-02	1.350	9.807	554.4
129	.75000	.95000	914.00	.5200-01	.4290-01	.5150-01	.1560-02	.1288-02	.1546-02	.9520	7.162	552.6
129	.80000	.00000	915.00	.2781	.2260	.2421	.8337-02	.6776-02	.7259-02	4.679	42.20	601.8
129	.80000	.20000	916.00	.1871	.1536	.1754	.5608-02	.4607-02	.5290-02	3.333	22.91	568.8
129	.80000	.40000	917.00	.1328	.1092	.1253	.3982-02	.3274-02	.3762-02	2.381	16.93	565.1
129	.80000	.60000	918.00	.7840-01	.6460-01	.7710-01	.2351-02	.1938-02	.2312-02	1.426	10.35	556.6
129	.85000	.00000	919.00	.3394	.2760	.2936	.1018-01	.8274-02	.8862-02	5.719	44.23	601.0
129	.85000	.20000	920.00	.1797	.1476	.1631	.5187-02	.4424-02	.5070-02	3.201	22.72	568.8
129	.85000	.40000	921.00	.1427	.1173	.1346	.4778-02	.3517-02	.4036-02	2.554	18.76	565.9
129	.90000	.00000	922.00	.1961	.1607	.1717	.5879-02	.4819-02	.5148-02	3.452	27.03	575.8
129	.90000	.10000	923.00	.2222	.1825	.2079	.6661-02	.5471-02	.6234-02	3.956	29.01	569.2
129	.90000	.20000	924.00	.1835	.1507	.1723	.5501-02	.4519-02	.5165-02	3.273	23.24	568.0
129	.90000	.30000	925.00	.1679	.1380	.1532	.5034-02	.4137-02	.4744-02	3.001	21.32	566.9
129	.90000	.50000	926.00	.1429	.1175	.1350	.4284-02	.3523-02	.4047-02	2.560	18.20	565.4
129	.90000	.80000	927.00	.9240-01	.7610-01	.8920-01	.2772-02	.2283-02	.2675-02	1.671	12.96	560.0
129	.90000	.90000	928.00	.7530-01	.6210-01	.7430-01	.2257-02	.1861-02	.2225-02	1.370	10.83	556.2
129	.95000	.00000	929.00	.1088	.8980-01	.9570-01	.3253-02	.2692-02	.2870-02	1.988	14.69	553.8
129	.95000	.50000	930.00	.1593	.1312	.1452	.4778-02	.3933-02	.4385-02	2.873	20.47	561.6
129	.95000	.10000	931.00	.1644	.1352	.1531	.4929-02	.4054-02	.4591-02	2.951	21.69	564.4
129	.95000	.20000	932.00	.1683	.1384	.1535	.5046-02	.4150-02	.4751-02	3.019	20.80	564.7
129	.95000	.30000	933.00	.1663	.1367	.1559	.4965-02	.4098-02	.4703-02	2.974	21.13	566.6
129	.95000	.50000	934.00	.1228	.1010	.1151	.3682-02	.3027-02	.3482-02	2.200	16.16	565.4
129	.95000	.70000	935.00	.1029	.8470-01	.9820-01	.3084-02	.2538-02	.2944-02	1.852	13.86	562.6
129	.95000	.80000	936.00	.1023	.8430-01	.9940-01	.3067-02	.2527-02	.2980-02	1.855	13.68	558.1
129	.95000	.90000	937.00	.6830-01	.5640-01	.6730-01	.2043-02	.1691-02	.2018-02	1.252	9.419	551.9

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L05)

LOWER WING

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO FSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
97	7.980	2.007	35.11	.0000	180.0	431.8	.4500-01	1293.	94.10	2.004	3793.	.4008-04
98	7.980	2.013	35.10	.0000	180.0	432.5	.4500-01	1293.	94.20	2.012	3794.	.4021-04
99	7.980	2.012	35.11	.0000	180.0	433.5	.4500-01	1293.	94.10	2.011	3794.	.4020-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
97	.7576-07	.3473-01		0.0175
98	.7580-07	.3480-01		.2878-01
99	.7579-07	.3479-01		.2873-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(11) BTU/ R FT ² SEC	ODOT BTU/ R FT ² SEC	DTWDT DEG. R /SEC	TW DEG. R
99	.30000	.00000	845.00	.4140-01	.3420-01	.3850-01	.1439-02	.1191-02	.1269-02	.8950	9.979	541.9
99	.30000	.50000-01	846.00	.1308	.1073	.1201	.4550-02	.3735-02	.4178-02		29.63	571.0
99	.30000	.10000*00	847.00	.1086	.8940-01	.1004	.3779-02	.3109-02	.3493-02	2.697	19.25	563.5
99	.30000	.20000	848.00	.1136	.9360-01	.1061	.3954-02	.3258-02	.3690-02	2.395	17.09	558.1
99	.30000	.40000	850.00	.6320-01	.5200-01	.5550-01	.2200-02	.1811-02	.2069-02	1.322	9.412	562.9
99	.30000	.50000	851.00	.5020-01	.4130-01	.4760-01	.1746-02	.1436-02	.1655-02	1.046	7.690	564.6
99	.30000	.60000	852.00	.5520-01	.4550-01	.5230-01	.1922-02	.1582-02	.1821-02	1.154	8.484	563.6
99	.30000	.70000	853.00	.5920-01	.4880-01	.5620-01	.2061-02	.1697-02	.1956-02	1.240	8.832	562.1
99	.30000	.80000	854.00	.7570-01	.6240-01	.7230-01	.2635-02	.2170-02	.2315-02	1.590	11.71	560.4
99	.30000	.90000	855.00	.5340-01	.4420-01	.5220-01	.1859-02	.1539-02	.1817-02	1.155	8.441	542.5
99	.30000	.95000	856.00	.5460-01	.4530-01	.5190-01	.1901-02	.1575-02	.1876-02	1.187	8.550	539.3
99	.35000	.00000	857.00	.1256	.1035	.1104	.4369-02	.3603-02	.3842-02	2.656	22.63	555.8
95	.40000	.00000	858.00	.1731	.1417	.1515	.5023-02	.4929-02	.5270-02	3.512	34.92	580.7
99	.40000	.50000-01	859.00	.3435	.2804	.3037	.1195-01	.9756-02	.074-01	6.864	48.22	589.6
99	.40000	.10000*00	860.00	.2314	.1895	.2133	.8050-02	.6593-02	.7421-02	4.710	33.26	578.7
99	.40000	.20000	861.00	.1363	.1120	.1283	.4744-02	.3896-02	.4463-02	2.821	20.69	569.1
99	.40000	.30000	862.00	.1098	.9020-01	.1040	.3821-02	.3136-02	.3618-02	2.270	16.11	569.6

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL05)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (1AW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
99	40000	40000	863.00	9110-01	7490-01	8630-01	3171-02	2605-02	3004-02	1.888	14.33	568.4
99	40000	60000	864.00	9450-01	7780-01	8940-01	3289-02	2706-02	3109-02	1.973	13.18	564.1
99	40000	70000	865.00	1044	8590-01	9890-01	3632-02	2988-02	3441-02	2.180	14.57	563.7
99	40000	75000	866.00	9200-01	7580-01	8760-01	3202-02	2637-02	3046-02	1.930	14.21	561.1
99	40000	85000	867.00	8130-01	6710-01	7860-01	2827-02	2333-02	2735-02	1.727	12.99	552.9
99	40000	90000	868.00	6680-01	5520-01	6570-01	2323-02	1319-02	2287-02	1.427	12.19	549.5
99	40000	95000	869.00	5980-01	4940-01	5930-01	2079-02	1719-02	2063-02	1.264	10.39	546.0
99	50000	00000	871.00	5168	4170	4478	1798-01	1451-01	1558-01	9.708	77.00	623.9
99	50000	50000-01	872.00	3511	2850	3168	1222-01	9949-02	1102-01	6.931	51.87	596.4
99	50000	10000+00	873.00	2139	1753	1989	7443-02	6097-02	6920-02	4.361	31.84	578.0
99	50000	20000	874.00	1487	1221	1402	5173-02	4248-02	4878-02	3.074	21.81	569.6
99	50000	30000	875.00	1134	9320-01	1072	3946-02	3243-02	3730-02	2.354	16.72	567.3
99	50000	40000	875.00	9310-01	7650-01	8410-01	3238-02	2661-02	3064-02	1.930	13.71	567.7
99	50000	60000	877.00	7430-01	6110-01	7040-01	2586-02	2127-02	2450-02	1.549	10.67	564.9
99	50000	90000	878.00	5070-01	4190-01	4820-01	1766-02	1459-02	1678-02	1.084	8.454	549.5
99	55000	00000	879.00	6508	5128	5547	2264-01	1784-01	1930-01	10.88	87.14	683.1
99	60000	00000	880.00	6064	4801	5185	2110-01	1670-01	1804-01	10.37	90.40	682.3
99	60000	25000-01	881.00	6843	5330	5804	2311-01	1854-01	2019-01	12.13	88.96	638.8
99	60000	50000-01	882.00	3518	2650	3176	1224-01	9916-02	1105-01	6.752	63.23	612.2
99	60000	75000-01	883.00	3554	2892	3277	1237-01	1006-01	1140-01	6.985	50.47	598.9
99	60000	10000+00	884.00	2662	2178	2485	9262-02	7577-02	8645-02	5.385	37.97	582.4
99	60000	20000	885.00	1654	1356	1462	5753-02	4718-02	5435-02	3.391	24.01	574.3
99	60000	30000	885.00	1501	1231	1418	5222-02	4282-02	4933-02	3.078	20.47	574.3
99	60000	40000	887.00	1316	1080	1242	4578-02	3757-02	4321-02	2.707	18.58	572.4
99	60000	50000	889.00	1259	1034	1192	4382-02	3598-02	4149-02	2.600	17.87	570.4
99	60000	60000	889.00	1138	9350-01	1078	3359-02	3252-02	3751-02	2.355	16.19	568.9
99	60000	80000	891.00	7230-01	5960-01	7000-01	2517-02	2074-02	2434-02	1.522	11.21	559.2
99	60000	85000	892.00	8440-01	6960-01	8200-01	2936-02	2421-02	2854-02	1.784	12.95	556.0
99	60000	90000	893.00	6770-01	5590-01	6680-01	2357-02	1946-02	2326-02	1.443	10.86	551.5
99	60000	95000	894.00	5070-01	4190-01	5030-01	1763-02	1458-02	1749-02	1.088	8.201	547.0
99	65000	00000	895.00	3255	2635	2826	1133-01	9166-02	9833-02	6.215	51.41	615.0
99	70000	00000	896.00	1580	1289	1379	5498-02	4484-02	4739-02	3.146	40.26	591.6
99	70000	25000-01	897.00	2397	1959	2113	8338-02	6816-02	7351-02	4.826	43.89	585.0
99	70000	10000+00	899.00	2407	1971	2242	8374-02	6859-02	7801-02	4.901	33.54	578.5
99	70000	20000	899.00	1944	1595	1830	6762-02	5550-02	6368-02	4.002	24.42	571.9
99	70000	30000	900.00	1544	1268	1461	5373-02	4411-02	5064-02	3.186	19.45	570.9
99	70000	40000	901.00	1385	1137	1311	4820-02	3956-02	4561-02	2.852	17.90	572.1
99	70000	60000	902.00	1273	1045	1194-02	4429-02	3634-02	4194-02	2.620	16.44	572.3
99	70000	90000	903.00	7750-01	6390-01	7030-01	2698-02	2225-02	2656-02	1.640	11.71	556.0
99	75000	00000	904.00	2083	1709	1826	7249-02	5945-02	6352-02	4.275	33.50	574.1
99	75000	25000-01	905.00	3263	2651	2860	1135-01	9224-02	9950-02	6.358	49.11	603.7
99	75000	50000-01	906.00	3216	2628	2934	1119-01	9142-02	1021-01	6.462	46.99	586.2
99	75000	10000+00	907.00	2677	2190	2493	9314-02	7620-02	8674-02	5.420	37.03	581.9

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL05)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(TAW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTWOT DEG. R /SEC	TW DEG. R
99	.75000	.20000	908.00	.1800	.1477	.1697	.653+-02	.5140-02	.5903-02	3.703	25.42	572.6
99	.75000	.30000	909.00	.1540	.1265	.1455	.5358-02	.4402-02	.5062-02	3.190	20.06	568.4
99	.75000	.40000	910.00	.1315	.1079	.1242	.4575-02	.3754-02	.4322-02	2.706	17.48	572.2
99	.75000	.60000	911.00	.1228	.1008	.1163	.4272-02	.3508-02	.4047-02	2.535	16.89	570.4
99	.75000	.80000	912.00	.8680-01	.7130-01	.8350-01	.3020-02	.2482-02	.2919-02	1.803	14.71	566.8
99	.75000	.90000	913.00	.7800-01	.6430-01	.7580-01	.2714-02	.2238-02	.2671-02	1.650	11.98	565.9
99	.75000	.95000	914.00	.5480-01	.4520-01	.5430-01	.1906-02	.1573-02	.1888-02	1.165	8.761	552.6
99	.80000	.00000	915.00	.282	.2293	.2558	.9831-02	.7976-02	.8550-02	5.468	49.18	607.6
99	.80000	.20000	916.00	.1850	.1526	.1753	.6472-02	.5303-02	.6100-02	3.817	26.18	573.9
99	.86000	.40000	917.00	.1311	.1076	.1238	.4563-02	.3743-02	.4306-02	2.695	19.09	573.1
99	.80000	.90000	918.00	.8060-01	.6640-01	.7330-01	.2605-02	.2319-02	.2758-02	1.694	12.27	559.9
99	.85000	.00000	919.00	.3399	.2758	.2357	.1183-01	.9596-02	.1029-01	6.580	50.73	607.4
99	.85000	.20000	920.00	.1777	.1458	.1671	.6183-0	.5071-02	.5815-02	3.646	25.81	574.1
99	.85000	.40000	921.00	.1451	.1190	.1368	.5050-02	.4142-02	.4760-02	2.978	21.79	573.9
99	.90000	.00000	922.00	.1973	.1615	.1727	.6865-02	.5620-02	.6007-02	4.005	31.29	580.4
99	.90000	.10000+00	923.00	.2206	.1809	.213	.7675-02	.295-02	.7178-02	4.529	33.13	573.7
99	.90000	.20000	924.00	.1823	.1495	.1710	.6342-02	.501-02	.5951-02	3.736	26.44	574.7
99	.90000	.30000	925.00	.1721	.1411	.1520	.5989-02	.410-02	.5638-02	3.526	24.94	575.1
99	.90000	.40000	926.00	.1419	.1163	.1339	.4336-02	.4048-02	.4658-02	2.909	20.59	574.5
99	.90000	.60000	927.00	.9680-01	.8120-01	.9530-01	.3439-02	.2825-02	.3317-02	2.046	15.80	568.7
99	.90000	.90000	928.00	.7240-01	.5960-01	.7140-01	.2519-02	.2073-02	.2483-02	1.513	11.92	563.2
99	.95000	.00000	929.00	.1078	.8890-01	.9480-01	.3750-02	.3093-02	.3293-02	2.284	16.87	554.7
99	.95000	.50000-01	930.00	.1600	.1316	.1458	.5568-02	.4578-02	.5106-02	3.332	23.69	565.4
99	.95000	.10000+00	931.00	.1662	.1365	.1546	.5781-02	.4749-02	.5380-02	3.438	25.21	569.2
99	.95000	.20000	932.00	.1736	.1425	.1533	.6040-02	.4957-02	.5682-02	3.574	24.54	572.0
99	.95000	.30000	933.00	.1860	.1523	.1752	.6470-02	.5293-02	.6036-02	3.785	26.73	578.8
99	.95000	.50000	934.00	.1471	.1206	.1390	.5120-02	.4197-02	.4836-02	3.011	22.01	575.6
99	.95000	.70000	935.00	.1140	.9360-01	.1087	.3967-02	.3255-02	.3782-02	2.346	17.46	572.6
99	.95000	.80000	936.00	.1058	.8700-01	.1027	.3680-02	.3025-02	.3574-02	2.199	16.15	566.3
99	.95000	.90000	937.00	.6750-01	.5560-01	.6340-01	.2348-02	.1935-02	.2312-02	1.422	10.66	558.4

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
76	7.990	2.507	35.10	.0000	180.0	544.5	.5600-01	1297.	94.20	2.513	3801.	.5005-04
77	7.990	2.500	35.09	.0000	180.0	545.3	.5600-01	1302.	94.60	2.519	3807.	.5001-04
78	7.990	2.494	35.08	.0000	180.0	547.4	.5700-01	1307.	94.90	2.526	3814.	.4997-04

RUN NUMBER	MJ	LB-SEC /FT ²	ST FR R =
76	.7587-07	.3892-01	0.0175
77	.7614-07	.3899-01	.2578-01
78	.7641-07	.3907-01	.2580-01

TEST DATA

RUN NUMBER	2V/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(ISO) BTU/R FT ² SEC	H(ITO) BTU/R FT ² SEC	H(TAW) BTU/R FT ² SEC	QDOT BTU/ FT ² SEC	DTMDT DEG. R /SEC	TH DEG. R
78	.30000	.30000	845.00	.4250-01	.3520-01	.3750-01	.1659-02	.1375-02	.1464-02	1.050	11.71	542.9
78	.30000	.50000-01	846.00	.1286	.1056	.1182	.5025-02	.125-02	.4616-02	3.009	32.97	577.3
78	.30000	.10000-00	847.00	.1130	.9300-01	.1045	.4415-02	.3634-02	.4082-02	2.685	22.73	568.0
78	.30000	.20000	848.00	.1125	.9270-01	.1050	.4334-02	.3623-02	.4103-02	2.698	19.21	562.1
78	.30000	.40000	850.00	.6200-01	.5100-01	.5930-01	.2421-02	.1993-02	.2278-02	1.473	10.46	567.7
78	.30000	.50000	851.00	.5330-01	.4380-01	.5050-01	.2082-02	.1713-02	.1973-02	1.262	9.255	569.7
78	.30000	.60000	852.00	.6690-01	.5510-01	.6240-01	.2615-02	.2151-02	.2478-02	1.584	11.61	570.5
78	.30000	.70000	853.00	.6550-01	.7070-01	.6150-01	.3355-02	.2760-02	.3184-02	2.032	14.40	570.7
78	.30000	.80000	854.00	.1169	.9620-01	.1115	.4567-02	.3758-02	.4358-02	2.771	20.32	569.3
78	.30000	.90000	855.00	.7700-01	.6370-01	.7530-01	.3099-02	.2490-02	.2941-02	1.889	13.77	548.3
78	.30000	.95000	856.00	.7550-01	.6260-01	.7460-01	.2951-02	.2445-02	.2913-02	1.862	13.38	545.0
78	.35000	.00000	857.00	.8670-01	.7160-01	.7630-01	.3387-02	.2795-02	.2980-02	2.092	17.79	558.5
76	.40000	.00000	858.00	.1713	.1401	.1498	.6692-02	.5475-02	.5853-02	3.933	38.95	588.4
78	.40000	.50000-01	859.00	.3411	.2781	.3064	.1333-01	.1087-01	.1197-01	7.691	53.78	599.0
78	.40000	.10000-00	860.00	.2312	.1893	.2131	.9032-02	.7394-02	.8325-02	5.329	37.50	586.0
78	.40700	.20000	861.00	.1321	.1085	.1243	.5159-02	.4236-02	.4855-02	3.102	22.68	574.9
78	.40000	.30000	862.00	.1091	.8960-01	.1033	.4262-02	.3501-02	.4036-02	2.564	18.15	574.4

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RV1L05)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	P/HREF (TAW)	H19T01 BTU/ R FT2SEC	H1T01 BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QOOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TH DEG. R
78	40000	40000	863.00	.9060-01	.7440-01	.6590-01	.3540-02	.2909-02	.3354-02	2.129	16.11	574.7
78	40000	60000	864.00	.1142	.9390-01	.1079	.4461-02	.3670-02	.4217-02	2.707	18.05	569.1
78	40000	70000	865.00	.1331	.1095	.1261	.5198-02	.4276-02	.4925-02	3.151	21.00	569.9
78	40000	75000	866.00	.1242	.1023	.1182	.4953-02	.3996-02	.4618-02	2.958	21.72	566.6
78	40000	85000	867.00	.1088	.8990-01	.1053	.4252-02	.3511-02	.4115-02	2.633	19.75	556.9
78	40000	90000	868.00	.9040-01	.7470-01	.6900-01	.3531-02	.2918-02	.3478-02	2.196	18.72	554.1
78	40000	95000	869.00	.8140-01	.6730-01	.6080-01	.3180-02	.2629-02	.3156-02	1.983	16.00	552.5
78	50000	00000	871.00	.5171	.4163	.4472	.2020-01	.1626-01	.1747-01	10.90	85.92	636.5
78	50000	50000-01	872.00	.3225	.2867	.2179	.1377-01	.1120-01	.1242-01	7.845	58.42	606.4
78	50000	10000+00	873.00	.2214	.1814	.2059	.8850-02	.7086-02	.8013-02	5.119	37.26	584.2
78	50000	20000	874.00	.1482	.1217	.1338	.5789-02	.4756-02	.5460-02	3.481	24.63	574.8
78	50000	30000	875.00	.1163	.9560-01	.1100	.4344-02	.3735-02	.4296-02	2.743	19.41	572.3
78	50000	40000	876.00	.1042	.8570-01	.6860-01	.4071-02	.3347-02	.3654-02	2.461	17.41	571.1
78	50000	50000	877.00	.8310-01	.6840-01	.7880-01	.3247-02	.2671-02	.3078-02	1.965	13.49	553.9
78	50000	60000	878.00	.6480-01	.5350-01	.6160-01	.2530-02	.2031-02	.2405-02	1.574	12.24	553.9
78	50000	70000	879.00	.6194	.4866	.5282	.2537-01	.1990-01	.2155-01	12.05	95.65	701.2
78	50000	80000	880.00	.6194	.5397	.5884	.2420-01	.1909-01	.2084-01	11.81	102.2	688.0
78	50000	90000	881.00	.3536	.2860	.3234	.1381-01	.1117-01	.1246-01	7.637	71.13	623.2
78	50000	10000+00	882.00	.1704	.1398	.2441	.1022-01	.8355-02	.9538-02	5.978	55.90	608.9
78	60000	00000	883.00	.3509	.2852	.3234	.1371-01	.1114-01	.1263-01	7.774	55.90	608.9
78	60000	10000+00	884.00	.2616	.2139	.2441	.1022-01	.8355-02	.9538-02	5.978	55.90	608.9
78	60000	20000	885.00	.1527	.1253	.1443	.5965-02	.4834-02	.5637-02	3.972	28.04	579.5
78	60000	30000	886.00	.1368	.1122	.1231	.5343-02	.4395-02	.5044-02	3.195	23.61	579.3
78	60000	40000	887.00	.1290	.1059	.1221	.5038-02	.4137-02	.4771-02	3.024	20.72	575.8
78	60000	50000	888.00	.1184	.9730-01	.1122	.4624-02	.3802-02	.4382-02	2.793	19.17	572.1
78	60000	60000	889.00	.8050-01	.6630-01	.7780-01	.3143-02	.2592-02	.3041-02	1.930	14.20	562.1
78	60000	70000	890.00	.5070-01	.7480-01	.6820-01	.3443-02	.2924-02	.3445-02	2.185	15.85	559.0
78	60000	80000	891.00	.7440-01	.6150-01	.7340-01	.2905-02	.2401-02	.2868-02	1.806	13.57	554.3
78	60000	90000	892.00	.5520-01	.4650-01	.5580-01	.2195-02	.1817-02	.2179-02	1.375	10.37	549.2
78	60000	00000	893.00	.3215	.2601	.2790	.1256-01	.1016-01	.1090-01	6.956	57.33	622.3
78	60000	10000+00	894.00	.1579	.1289	.1379	.6168-02	.5035-02	.5366-02	3.581	45.73	595.5
78	60000	20000	895.00	.2438	.1934	.2151	.9225-02	.7792-02	.8403-02	5.596	50.87	580.5
78	60000	30000	896.00	.2437	.1997	.2271	.9222-02	.7801-02	.8874-02	5.640	38.49	583.8
78	60000	40000	897.00	.1509	.1566	.1758	.7459-02	.6117-02	.7023-02	4.448	27.04	579.7
78	60000	50000	898.00	.1535	.1260	.1453	.5997-02	.4924-02	.5676-02	3.594	21.88	576.7
78	60000	60000	899.00	.1399	.1149	.1324	.5465-02	.4488-02	.5173-02	3.277	20.52	576.6
78	60000	70000	900.00	.1302	.1070	.1234	.5087-02	.4179-02	.4819-02	3.058	19.17	574.8
78	60000	80000	901.00	.9530-01	.7860-01	.6880-01	.3722-02	.3071-02	.3665-02	2.294	16.36	559.5
78	60000	90000	902.00	.1918	.1573	.1681	.7494-02	.6146-02	.6555-02	4.465	34.89	580.3
78	75000	00000	903.00	.3301	.2682	.2894	.1290-01	.1048-01	.1130-01	7.306	56.27	609.5
78	75000	10000+00	904.00	.3199	.2615	.2920	.1250-01	.1022-01	.1141-01	7.315	53.07	590.8
78	75000	20000	905.00	.2657	.2174	.2475	.1038-01	.8493-02	.9668-02	6.109	41.62	587.5

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(RVIL05)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TC) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTROT DEG. R /SEC	TH DEG. R
78	.75000	.20000	908.00	.1789	.1467	.1696	.6990-02	.5733-02	.6586-02	4.167	28.50	579.8
78	.75000	.30000	909.00	.1536	.1262	.1451	.6001-02	.4928-02	.5670-02	3.603	22.58	575.6
78	.75000	.40000	910.00	.1335	.1096	.1262	.5215-02	.4280-02	.4928-02	3.119	20.09	578.0
78	.75000	.60000	911.00	.1234	.1014	.1170	.4823-02	.3962-02	.4569-02	2.902	19.29	574.4
78	.75000	.80000	912.00	.1027	.8450-01	.920-01	.4011-02	.3301-02	.3877-02	2.437	19.86	568.5
78	.75000	.90000	913.00	.9540-01	.7880-01	.9390-01	.3728-02	.3077-02	.3669-02	2.305	16.72	557.6
78	.75000	.95000	914.00	.7260-01	.5990-01	.7190-01	.2836-02	.2342-02	.2809-02	1.758	13.19	556.2
78	.80000	.00000	915.00	.2791	.2265	.2427	.1090-01	.8849-02	.9484-02	6.140	55.08	612.9
78	.80000	.20000	916.00	.1769	.1451	.1668	.6911-02	.5658-02	.6515-02	4.118	28.16	580.1
78	.80000	.40000	917.00	.1332	.1092	.1257	.5203-02	.4266-02	.4910-02	3.093	21.91	581.7
78	.80000	.60000	918.00	.9350-01	.7710-01	.9200-01	.3655-02	.3012-02	.3595-02	2.240	16.21	563.2
78	.85000	.00000	919.00	.3394	.2755	.2952	.1326-01	.1076-01	.1153-01	7.468	57.42	612.9
78	.85000	.20000	920.00	.1803	.1479	.1696	.7043-02	.5776-02	.6625-02	4.196	29.61	580.3
78	.85000	.40000	921.00	.1443	.1182	.1360	.5638-02	.4618-02	.5313-02	3.334	24.26	584.7
78	.90000	.00000	922.00	.2009	.1646	.1759	.7847-02	.6430-02	.6871-02	5.359	36.33	582.8
78	.90000	.10000+00	923.00	.2290	.1880	.2143	.8946-02	.7344-02	.8371-02	4.185	29.48	583.7
78	.90000	.20000	924.00	.1808	.1482	.1697	.7765-02	.5788-02	.6628-02	4.185	29.48	583.7
78	.90000	.30000	925.00	.1867	.1529	.1757	.7294-02	.5972-02	.6864-02	4.304	30.29	585.9
78	.90000	.40000	926.00	.1463	.1198	.1380	.5715-02	.4681-02	.5391-02	3.380	23.80	584.7
78	.90000	.50000	927.00	.1033	.8490-01	.960-01	.4034-02	.3318-02	.3893-02	2.443	18.84	570.6
78	.90000	.60000	928.00	.7680-01	.6330-01	.7570-01	.3002-02	.2473-02	.2959-02	1.833	14.43	565.3
78	.95000	.00000	929.00	.1077	.8900-01	.9490-01	.4208-02	.3478-02	.3706-02	2.621	19.37	563.1
78	.95000	.50000-01	930.00	.1628	.1341	.1494	.6360-02	.5238-02	.5838-02	3.879	27.57	566.1
78	.95000	.10000+00	931.00	.1723	.1417	.1604	.6732-02	.5535-02	.6268-02	4.069	29.80	571.7
78	.95000	.20000	932.00	.2013	.1651	.1893	.7653-02	.6448-02	.7396-02	4.684	32.02	580.4
78	.95000	.30000	933.00	.2440	.1993	.2297	.9532-02	.7786-02	.8974-02	5.554	38.94	583.4
78	.95000	.40000	934.00	.1824	.1493	.1722	.7124-02	.5831-02	.6727-02	4.199	30.52	586.7
78	.95000	.50000	935.00	.1403	.1152	.1338	.5483-02	.4499-02	.5228-02	3.276	24.32	578.5
78	.95000	.60000	936.00	.1383	.1137	.1343	.5402-02	.4441-02	.5247-02	3.264	23.91	571.7
78	.95000	.90000	937.00	.8290-01	.6840-01	.8170-01	.3240-02	.2671-02	.3190-02	1.986	14.86	563.0

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L05)

LOWER WING

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
55	7.990	2.964	35.09	.0000	180.0	674.0	.7000-01	1338.	97.03	3.110	3859.	.6009-04
56	7.990	2.989	35.10	.0000	180.0	678.5	.7000-01	1336.	97.10	3.131	3857.	.6056-04
57	7.990	2.910	35.10	.0000	180.0	677.5	.7000-01	1359.	98.70	3.126	3890.	.5946-04

RUN NUMBER	MI	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
55	7824-07	.4353-01	.4353-01	0.0175
56	7815-07	.4367-01	.4367-01	.2349-01
57	7947-07	.4376-01	.4376-01	.2375-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT ² SEC	H(1TO) BTU/ R FT ² SEC	H(TAW) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTMDT DEG. R /SEC	TH DEG. R
57	30000	.00000	845.00	.4100-01	.3400-01	.3620-01	.1792-02	.1489-02	.1584-02	1.195	13.22	556.6
57	30000	.50000-01	846.00	.1269	.1043	.1166	.5555-02	.4565-02	.5105-02	3.479	37.75	596.9
57	30000	.10300+00	847.00	.1155	.9620-01	.1068	.5054-02	.4166-02	.4675-02	3.222	27.04	585.7
57	30000	.20000	848.00	.1115	.9210-01	.1041	.4878-02	.4030-02	.4558-02	3.154	22.30	576.6
57	30000	.40000	850.00	.6560-01	.5420-01	.6180-01	.2873-02	.2370-02	.2704-02	1.840	12.97	582.6
57	30000	.50000	851.00	.6220-01	.5130-01	.5900-01	.2722-02	.2244-02	.2581-02	1.734	12.61	586.0
57	30000	.60000	852.00	.9220-01	.7590-01	.6730-01	.4033-02	.3323-02	.3822-02	2.564	18.63	587.5
57	30000	.70000	853.00	.1276	.1050	.1210	.5593-02	.4593-02	.5297-02	3.520	24.69	592.7
57	30000	.80000	854.00	.1671	.1373	.1594	.7312-02	.6007-02	.6974-02	4.576	33.07	597.4
57	30000	.90000	855.00	.1053	.8710-01	.1029	.4606-02	.3810-02	.4501-02	2.994	21.55	573.3
57	30000	.95000	856.00	.1011	.8370-01	.5963-01	.4426-02	.3664-02	.4368-02	2.891	20.51	570.0
57	35000	.10000	857.00	.9270-01	.7670-01	.6170-01	.4058-02	.3356-02	.3576-02	2.638	22.28	573.2
57	40000	.10000	858.00	.1743	.1428	.1526	.7629-02	.6248-02	.6678-02	4.691	46.01	608.3
57	40000	.50000-01	859.00	.3374	.2752	.3031	.1476-01	.1204-01	.1326-01	8.884	61.45	621.4
57	40000	.10000+00	860.00	.2258	.1850	.2082	.9880-02	.8094-02	.9109-02	6.087	42.39	607.1
57	40000	.20000	861.00	.1326	.1090	.1248	.5801-02	.4770-02	.5461-02	3.648	26.41	594.4
57	40000	.30000	862.00	.1119	.9210-01	.1060	.4898-02	.4030-02	.4641-02	3.069	21.66	592.6

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-498) COLLATION DECK

DATE 25 AUG 76

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(19T) BTU/ R FT/SEC	H(1T0) BTU/ R FT/SEC	H(17AM) BTU/ R FT/SEC	QDOT BTU/ R FT/SEC	DTWOT DEG. R /SEC	TH DEG. R
57	40000	40000	863.00	.1026	.8440-01	.9720-01	.4489-02	.3694-02	.4255-02	2.834	21.26	591.9
57	40000	60000	864.00	.1527	.1257	.443	.6680-02	.5498-02	.6316-02	4.228	27.89	590.3
57	40000	70000	865.00	.1769	.1454	.1675	.7740-02	.6364-02	.7331-02	4.862	32.00	595.0
57	40000	75000	866.00	.1642	.1351	.562	.7184-02	.5912-02	.6834-02	4.536	32.89	591.8
57	40000	85000	867.00	.1479	.1220	.431	.6471-02	.5338-02	.6261-02	4.144	30.70	582.7
57	40000	90000	868.00	.1233	.1018	.1214	.5394-02	.4453-02	.5311-02	3.470	29.20	579.9
57	40000	95000	869.00	.1112	.9190-01	.1103	.4866-02	.4021-02	.4828-02	3.146	25.07	576.7
57	50000	00000	871.00	.5151	.4139	.4450	.2254-01	.1811-01	.1947-01	12.53	97.30	667.4
57	50000	50000-01	872.00	.3534	.2871	.3185	.1546-01	.1257-01	.1394-01	9.110	66.94	634.1
57	50000	10000+00	873.00	.2207	.1806	.2050	.9649-02	.7904-02	.8970-02	5.939	42.73	607.7
57	50000	20000	874.00	.1509	.1240	.423	.6603-02	.5427-02	.6228-02	4.143	29.02	595.7
57	50000	30000	875.00	.1203	.9890-01	.1137	.5282-02	.4330-02	.4977-02	3.320	23.29	592.3
57	50000	40000	876.00	.1063	.8750-01	.1007	.4652-02	.3829-02	.4405-02	2.940	20.64	591.2
57	50000	60000	877.00	.1034	.8510-01	.9800-01	.4523-02	.3723-02	.4288-02	2.860	19.45	590.8
57	50000	90000	878.00	.8950-01	.7400-01	.8510-01	.3916-02	.3237-02	.3723-02	2.535	19.50	575.9
57	55000	00000	879.00	.6158	.4836	.5245	.2712-01	.2118-01	.2295-01	13.09	102.0	740.7
57	60000	00000	880.00	.6043	.4740	.5133	.2644-01	.2074-01	.2246-01	13.08	111.0	728.7
57	60000	25000-01	881.00	.6808	.5423	.5921	.2979-01	.2373-01	.2591-01	15.86	113.4	690.9
57	60000	50000-01	882.00	.3569	.2877	.3214	.1562-01	.1259-01	.1406-01	9.829	60.86	657.9
57	60000	75000-01	883.00	.3558	.2884	.3275	.1557-01	.1259-01	.1406-01	9.058	64.11	641.4
57	60000	10000+00	884.00	.2664	.2175	.2485	.1166-01	.9518-02	.1087-01	7.040	48.74	619.4
57	60000	20000	885.00	.1746	.1433	.1650	.7640-02	.6269-02	.7219-02	4.749	33.17	600.2
57	60000	30000	886.00	.1559	.1280	.1474	.6824-02	.5602-02	.6449-02	4.251	27.91	598.1
57	60000	40000	887.00	.1384	.1137	.307	.6057-02	.4975-02	.5719-02	3.786	25.65	595.3
57	60000	50000	888.00	.1341	.1102	.1270	.5862-02	.4234-02	.5558-02	3.685	25.00	592.0
57	60000	60000	889.00	.1270	.1045	.204	.5559-02	.4574-02	.5269-02	3.509	23.85	590.2
57	60000	70000	890.00	.1132	.9320-01	.081	.4955-02	.4079-02	.4729-02	3.136	22.03	581.6
57	60000	80000	891.00	.9670-01	.7980-01	.9360-01	.4233-02	.3493-02	.4096-02	2.716	19.79	578.2
57	60000	85000	892.00	.1061	.8760-01	.1032	.4642-02	.3835-02	.4514-02	2.994	21.50	573.4
57	60000	90000	893.00	.9170-01	.7580-01	.9050-01	.4012-02	.3318-02	.3960-02	2.607	19.40	569.4
57	65000	00000	894.00	.7380-01	.6110-01	.7330-01	.3230-02	.2674-02	.3206-02	2.112	15.75	569.0
57	65000	00000	895.00	.3210	.2595	.27.5	.1405-01	.1136-01	.1219-01	8.064	65.62	649.0
57	70000	00000	896.00	.1620	.1323	.415	.7088-02	.5788-02	.6192-02	4.289	54.19	618.0
57	70000	25000-01	897.00	.2471	.2022	.2180	.1082-01	.8848-02	.9540-02	6.610	59.32	612.0
57	70000	10000+00	898.00	.2375	.1943	.2212	.1039-01	.8504-02	.9680-02	6.358	42.80	611.4
57	70000	20000	899.00	.1954	.1503	.840	.8550-02	.7014-02	.8051-02	5.305	26.89	602.7
57	70000	40000	900.00	.1629	.1339	.542	.7129-02	.5650-02	.6749-02	4.474	24.57	594.6
57	70000	60000	901.00	.1440	.1184	.363	.6302-02	.5181-02	.5966-02	3.960	24.04	593.0
57	70000	80000	902.00	.1345	.1107	.275	.5887-02	.4842-02	.5579-02	3.491	24.66	578.2
57	70000	90000	903.00	.1237	.1022	.1218	.5413-02	.4471-02	.5331-02	3.074	47.06	597.1
57	75000	00000	904.00	.2217	.1821	.945	.9701-02	.7971-02	.8511-02	6.074	65.12	634.9
57	75000	25000-01	905.00	.3325	.2701	.2914	.1455-01	.1182-01	.1275-01	8.560	60.18	617.1
57	75000	50000-01	906.00	.3168	.2588	.2890	.1386-01	.1135-01	.1265-01	8.403		

(RVIL05)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TH DEG. R
57	.75000	.10000+00	907.00	.2666	.2179	.2482	.1167-01	.9336-02	.1086-01	7.091	47.65	615.4
57	.75000	.20000	908.00	.1806	.1481	.1702	.104-02	.8481-02	.7447-02	4.894	33.07	603.9
57	.75000	.30000	909.00	.1583	.1301	.1496	.6927-02	.5695-02	.6546-02	4.350	26.99	595.2
57	.75000	.40000	910.00	.1380	.1134	.1305	.6033-02	.4964-02	.5710-02	3.790	24.20	595.6
57	.75000	.50000	911.00	.1262	.1038	.1196	.5521-02	.4544-02	.5233-02	3.489	23.01	591.1
57	.75000	.60000	912.00	.1180	.9720-01	.1141	.5165-02	.4255-02	.4993-02	3.284	26.51	587.4
57	.75000	.70000	913.00	.1289	.1065	.1269	.5642-02	.4662-02	.5533-02	3.648	26.22	576.5
57	.75000	.80000	914.00	.1044	.8630-01	.1034	.4567-02	.3775-02	.4325-02	2.961	22.02	574.8
57	.80000	.90000	915.00	.2814	.2284	.2448	.1232-01	.9996-02	.1071-01	7.214	63.95	637.4
57	.80000	.20000	916.00	.1731	.1419	.1671	.7574-02	.6208-02	.7138-02	4.678	31.58	605.6
57	.80000	.40000	917.00	.1396	.1146	.1317	.6107-02	.5014-02	.5765-02	3.807	26.61	599.8
57	.80000	.60000	918.00	.1234	.1019	.1214	.5400-02	.4458-02	.5311-02	3.473	24.91	580.0
57	.85000	.80000	919.00	.3365	.2734	.2929	.1473-01	.1196-01	.1282-01	8.664	65.91	634.9
57	.85000	.20000	920.00	.1769	.1450	.1664	.7742-02	.6345-02	.7280-02	4.781	33.32	605.6
57	.85000	.40000	921.00	.1497	.1227	.1410	.6549-02	.5369-02	.6172-02	4.048	29.16	605.0
57	.90000	.60000	922.00	.1997	.1640	.1751	.8737-02	.7177-02	.7664-02	5.464	42.33	597.8
57	.90000	.80000	923.00	.2252	.1850	.2108	.9856-02	.8098-02	.9224-02	6.172	44.64	596.1
57	.90000	.20000	924.00	.2103	.1722	.1923	.9204-02	.7319-02	.8414-02	5.480	39.25	609.9
57	.90000	.40000	925.00	.2043	.1672	.1923	.8342-02	.6508-02	.7319-02	5.480	38.10	610.4
57	.90000	.60000	926.00	.1487	.1220	.1403	.6508-02	.5338-02	.6142-02	4.033	28.14	603.4
57	.90000	.80000	927.00	.1195	.9850-01	.1154	.5231-02	.4311-02	.5049-02	3.332	25.51	586.1
57	.95000	.20000	928.00	.8340-01	.6890-01	.9230-01	.3651-02	.3016-02	.3600-02	2.357	18.43	577.8
57	.95000	.40000	929.00	.1098	.9100-01	.9690-01	.4604-02	.3984-02	.4241-02	3.174	23.35	562.5
57	.95000	.60000	930.00	.1675	.1383	.1539	.7329-02	.6052-02	.6736-02	4.720	33.32	579.2
57	.95000	.80000	931.00	.1831	.1508	.1706	.8011-02	.6598-02	.7464-02	5.083	36.91	588.7
57	.95000	.20000	932.00	.2390	.1950	.2248	.1046-01	.8576-02	.9837-02	6.469	43.70	604.7
57	.95000	.40000	933.00	.2991	.2441	.2815	.1309-01	.1068-01	.1232-01	7.893	54.63	620.1
57	.95000	.60000	934.00	.2008	.1645	.1897	.8798-02	.7200-02	.8300-02	5.413	38.95	607.3
57	.95000	.80000	935.00	.1957	.1607	.1866	.8564-02	.7032-02	.8167-02	5.344	39.26	599.2
57	.95000	.20000	936.00	.2300	.1890	.2234	.1007-01	.8271-02	.9776-02	6.301	45.57	597.2
57	.95000	.40000	937.00	.1543	.1272	.1519	.6751-02	.5568-02	.6647-02	4.318	31.97	583.6

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L05)

LOWER WING

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
37	8.000	3.351	35.13	.0000	180.0	750.0	.7800-01	1333.	96.60	3.487	3852.	.6763-04
38	8.000	3.325	35.08	.0000	180.0	759.7	.7800-01	1339.	97.00	3.486	3862.	.6728-04
39	8.000	3.320	35.08	.0000	180.0	759.7	.7800-01	1341.	97.10	3.486	3864.	.6721-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
37	.7775-07	.4606-01	0.0175
38	.7813-07	.4609-01	.2229-01
39	.7821-07	.4610-01	.2231-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
39	.30000	.50000-01	846.00	.1284	.1051	.1178	.5919-02	.4845-02	.5430-02	3.581	38.76	601.6
39	.30000	.10000+00	847.00	.1189	.9770-01	.1098	.5482-02	.4502-02	.5063-02	3.377	28.27	590.5
39	.30000	.20000	848.00	.1132	.9310-01	.1056	.5213-02	.4293-02	.4867-02	3.252	22.91	583.2
39	.30000	.40000	850.00	.6700-01	.5500-01	.6300-01	.3090-02	.2537-02	.2904-02	2.256	13.36	590.7
39	.30000	.50000	851.00	.8000-01	.6560-01	.7580-01	.3689-02	.3026-02	.3494-02	2.256	16.33	595.1
39	.30000	.60000	852.00	.1261	.1033	.1193	.5811-02	.4764-02	.5500-02	3.543	25.62	596.9
39	.30000	.70000	853.00	.1810	.1481	.1715	.8346-02	.6828-02	.7907-02	5.031	35.10	603.7
39	.30000	.80000	854.00	.2237	.1827	.2130	.1031-01	.8425-02	.9822-02	6.172	44.40	608.0
39	.30000	.90000	855.00	.1298	.1070	.1268	.5983-02	.4931-02	.5844-02	3.761	27.21	577.9
39	.30000	.95000	856.00	.1231	.1016	.1215	.5676-02	.4682-02	.5601-02	3.587	25.39	574.4
39	.35000	.00000	857.00	.9160-01	.7550-01	.8050-01	.4221-02	.3479-02	.3711-02	2.654	22.36	577.7
39	.40000	.00000	858.00	.1709	.1353	.1491	.7879-02	.6422-02	.6874-02	4.656	45.50	615.6
39	.40000	.50000-01	859.00	.3429	.2782	.3071	.1581-01	.1282-01	.1416-01	9.116	62.79	629.8
39	.40000	.10000+00	860.00	.2355	.1920	.2167	.1085-01	.8850-02	.9988-02	6.424	44.58	614.7
39	.40000	.20000	861.00	.1396	.1143	.1312	.6434-02	.5268-02	.6048-02	3.896	28.12	601.0
39	.40000	.30000	862.00	.1275	.1044	.1205	.5878-02	.4814-02	.5562-02	3.565	24.92	600.0
39	.40000	.40000	863.00	.1268	.1039	.1201	.5847-02	.4788-02	.5534-02	3.546	25.49	600.0

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL05)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QOOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
39	.40000	.60000	864.00	.1910	.1565	.1803	.8803-02	.7213-02	.8311-02	5.353	35.17	598.4
39	.40000	.70000	865.00	.2450	.2004	.2317	.1129-01	.9238-02	.1068-01	6.806	44.60	603.8
39	.40000	.75000	866.00	.2148	.1760	.2341	.9903-02	.8113-02	.9409-02	6.015	43.45	599.2
39	.40000	.85000	867.00	.1860	.1528	.1798	.8572-02	.7015-02	.8289-02	5.302	39.16	588.1
39	.40000	.90000	868.00	.1564	.1286	.1539	.7208-02	.5928-02	.7096-02	4.477	37.58	585.3
39	.40000	.95000	869.00	.1447	.1191	.1436	.6671-02	.5491-02	.6618-02	4.164	33.09	582.3
39	.50000	.00000	871.00	.5244	.4186	.4510	.2418-01	.1930-01	.2079-01	12.83	99.23	675.9
39	.50000	.50000-01	872.00	.3631	.2935	.3264	.1674-01	.1353-01	.1505-01	9.458	69.25	641.5
39	.50000	.10000+00	873.00	.2250	.1835	.2088	.1037-01	.8460-02	.9628-02	6.150	44.12	613.6
39	.50000	.20000	874.00	.1581	.1295	.1490	.7290-02	.5968-02	.6869-02	4.413	30.82	601.2
39	.50000	.30000	875.00	.1341	.1099	.1267	.6184-02	.5067-02	.5841-02	3.761	26.31	598.3
39	.50000	.40000	876.00	.1281	.1050	.1212	.5907-02	.4840-02	.5586-02	3.595	25.15	597.9
39	.50000	.50000	877.00	.1459	.1196	.1381	.6726-02	.5513-02	.6368-02	4.096	27.77	597.5
39	.50000	.60000	878.00	.1290	.1062	.1255	.5945-02	.4895-02	.5646-02	3.715	28.50	581.6
39	.50000	.70000	879.00	.6191	.4788	.5207	.2854-01	.2207-01	.2401-01	13.05	101.3	749.2
39	.60000	.00000	880.00	.6071	.4722	.5127	.2799-01	.2177-01	.2363-01	13.14	111.1	737.2
39	.60000	.25000-01	881.00	.6733	.5320	.5826	.3104-01	.2453-01	.2686-01	15.67	111.5	701.7
39	.60000	.50000-01	882.00	.3573	.2862	.3207	.1647-01	.1319-01	.1478-01	8.879	80.95	667.5
39	.60000	.75000-01	883.00	.3620	.2918	.3355	.1669-01	.1345-01	.1533-01	9.298	65.56	649.3
39	.60000	.10000+00	884.00	.2746	.2231	.2557	.1266-01	.1028-01	.1179-01	7.351	50.73	625.8
39	.60000	.20000	885.00	.1600	.1472	.1699	.8299-02	.6785-02	.7834-02	4.985	34.74	605.9
39	.60000	.30000	886.00	.1684	.1377	.1590	.7765-02	.6348-02	.7329-02	4.664	30.53	605.8
39	.60000	.40000	887.00	.1420	.1232	.1420	.6945-02	.5679-02	.6548-02	4.179	28.23	604.8
39	.60000	.50000	888.00	.1467	.1202	.1398	.6764-02	.5539-02	.6399-02	4.102	27.77	600.1
39	.60000	.60000	889.00	.1424	.1167	.1348	.6363-02	.5381-02	.6215-02	4.005	27.18	596.1
39	.60000	.70000	890.00	.1347	.1105	.1284	.6209-02	.5094-02	.5919-02	3.804	26.67	593.7
39	.60000	.80000	891.00	.1166	.9500-01	.1128	.5376-02	.4424-02	.5192-02	3.347	24.37	583.9
39	.60000	.85000	892.00	.1313	.1086	.1282	.6080-02	.5007-02	.5909-02	3.803	27.27	581.0
39	.60000	.90000	893.00	.1190	.1033	.1175	.5488-02	.4524-02	.5416-02	3.454	25.65	577.2
39	.65000	.00000	894.00	.1041	.8500-01	.1033	.4800-02	.3953-02	.4763-02	3.046	22.69	571.9
39	.70000	.00000	895.00	.3220	.2591	.2784	.1484-01	.1195-01	.1284-01	8.208	66.64	653.5
39	.70000	.25000-01	896.00	.1638	.1332	.1527	.7552-02	.6141-02	.6578-02	4.406	55.52	623.1
39	.70000	.50000-01	897.00	.2495	.2032	.2195	.1150-01	.9366-02	.1012-01	6.755	60.41	619.3
39	.70000	.10000+00	898.00	.2473	.2013	.2293	.1140-01	.9280-02	.1060-01	6.688	44.84	619.9
39	.70000	.20000	899.00	.2065	.1687	.1942	.9519-02	.7778-02	.8953-02	5.701	34.18	607.6
39	.70000	.30000	900.00	.1690	.1384	.1598	.7790-02	.6380-02	.7367-02	4.726	28.45	599.8
39	.70000	.40000	901.00	.1540	.1261	.1456	.7098-02	.5814-02	.6713-02	4.310	25.69	599.3
39	.70000	.50000	902.00	.1485	.1217	.1406	.6844-02	.5611-02	.6460-02	4.175	25.89	596.4
39	.70000	.60000	903.00	.1615	.1328	.1590	.7445-02	.6124-02	.6940-02	4.629	32.59	584.8
39	.75000	.00000	904.00	.2337	.1910	.2043	.1077-01	.8807-02	.9417-02	6.473	49.95	605.6
39	.75000	.25000-01	905.00	.3329	.2689	.2907	.1535-01	.1240-01	.1340-01	8.643	65.48	643.3
39	.75000	.50000-01	906.00	.3161	.2566	.2876	.1457-01	.1183-01	.1326-01	8.432	60.08	627.8
39	.75000	.10000+00	907.00	.2705	.2198	.2513	.1247-01	.1013-01	.1159-01	7.247	48.46	625.4

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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(RVIL05)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(ISTO) BTU/ R FT2SEC	H(UTO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
39	.75000	.20000	908.00	.1923	.1571	1810	.8866-02	.7241-02	.8343-02	5.297	35.71	609.0
39	.75000	.30000	909.00	.1674	.1371	1580	.7716-02	.6320-02	.7284-02	4.684	29.00	599.5
39	.75000	.40000	910.00	.1517	.1243	1433	.6904-02	.5729-02	.6805-02	4.244	27.04	599.8
39	.75000	.60000	911.00	.1419	.1164	1344	.6541-02	.5365-02	.6194-02	4.003	26.35	594.5
39	.75000	.80000	912.00	.1403	.1152	1356	.6469-02	.5311-02	.6251-02	3.977	32.04	591.8
39	.75000	.90000	913.00	.1731	.1425	1703	.7980-02	.6568-02	.7853-02	4.976	35.65	582.9
39	.75000	.95000	914.00	.1428	.1176	1415	.6584-02	.5420-02	.6322-02	4.111	30.46	582.1
39	.80000	.00000	915.00	.2802	.2262	2428	.1292-01	.1043-01	.1119-01	7.254	64.07	644.9
39	.80000	.20000	916.00	.2006	.1637	1888	.9249-02	.7545-02	.8704-02	5.490	36.94	612.9
39	.80000	.40000	917.00	.1505	.1231	1119	.6937-02	.5673-02	.6341-02	4.176	29.12	604.5
39	.80000	.60000	918.00	.1643	.1351	1616	.7575-02	.6226-02	.7449-02	4.687	33.50	587.8
39	.85000	.00000	919.00	.3427	.2771	2973	.1580-01	.1277-01	.1371-01	8.943	67.85	640.5
39	.85000	.20000	920.00	.1951	.1591	1832	.8996-02	.7334-02	.8444-02	5.321	36.91	615.0
39	.85000	.40000	921.00	.1596	.1303	1503	.7359-02	.6008-02	.6937-02	4.388	31.53	610.2
39	.90000	.00000	922.00	.2028	.1660	1775	.9349-02	.7654-02	.8190-02	5.658	43.76	601.2
39	.90000	.20000	923.00	.2386	.1951	2130	.1100-01	.8932-02	.1028-01	6.800	47.51	606.6
39	.90000	.40000	924.00	.2724	.2215	2549	.1256-01	.1021-01	.1175-01	7.333	50.69	622.5
39	.90000	.60000	925.00	.2472	.2012	2322	.1139-01	.9274-02	.1070-01	6.682	46.24	620.1
39	.90000	.80000	926.00	.1708	.1395	1610	.7874-02	.5430-02	.7421-02	4.702	32.71	609.3
39	.90000	.90000	927.00	.1493	.1225	1440	.6881-02	.5846-02	.6636-02	4.218	32.16	593.6
39	.90000	.00000	928.00	.1111	.9140-01	1095	.5121-02	.4325-02	.5047-02	3.186	24.84	584.3
39	.95000	.00000	929.00	.1134	.9380-01	1613	.5229-02	.4213-02	.5047-02	3.354	24.64	585.1
39	.95000	.20000	930.00	.1758	.1446	1613	.8103-02	.6665-02	.7434-02	5.039	35.49	596.8
39	.95000	.40000	931.00	.2049	.1680	1906	.9148-02	.7745-02	.8787-02	5.760	41.56	596.8
39	.95000	.60000	932.00	.3039	.2524	2909	.1429-01	.1164-01	.1341-01	8.406	56.41	618.2
39	.95000	.80000	933.00	.3686	.2988	3462	.1699-01	.1377-01	.1596-01	9.745	67.02	633.0
39	.95000	.90000	934.00	.2621	.2135	2471	.1208-01	.9843-02	.1139-01	7.119	50.97	617.4
39	.95000	.00000	935.00	.2621	.2135	2471	.1230-01	.1004-01	.1171-01	7.340	53.55	608.8
39	.95000	.20000	936.00	.3042	.2490	2958	.1405-01	.1148-01	.1354-01	8.399	60.39	608.9
39	.95000	.40000	937.00	.2189	.1796	2154	.1009-01	.6279-02	.9931-02	6.185	45.57	593.6

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L05)

LOWER WING

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
13	8.000	3.704	35.12	.0000	180.0	861.2	.8800-01	1355.	98.20	3.952	3884.	.7539-04
14	8.000	3.695	35.12	.0000	180.0	861.7	.8800-01	1358.	98.40	3.954	3888.	.7527-04
15	8.000	3.681	35.12	.0000	180.0	861.4	.8800-01	1361.	98.60	3.953	3893.	.7507-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
13	.7904-07	.4918-01	0.0175
14	.7921-07	.4921-01	.2110-01
15	.7940-07	.4922-01	.2114-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
15	.30300	.00000	845.00	.4230-01	.3510-01	.3740-01	.2083-02	.1729-02	.1840-02	1.383	15.27	561.0
15	.30000	.50000-01	846.00	.1257	.1029	.1153	.6185-02	.5065-02	.5674-02	3.804	41.01	609.8
15	.30000	.10000-00	847.00	.1124	.9230-01	.1038	.5532-02	.4545-02	.5109-02	3.469	28.93	597.8
15	.30000	.20000	848.00	.1115	.9180-01	.1040	.5487-02	.4519-02	.5121-02	3.488	24.50	589.3
15	.30000	.40000	850.00	.7900-01	.6500-01	.7430-01	.3689-02	.3197-02	.3656-02	2.445	17.12	596.2
15	.30000	.50000	851.00	.1046	.8580-01	.9900-01	.5148-02	.4224-02	.4875-02	3.204	23.11	602.6
15	.30000	.60000	852.00	.1644	.8580-01	.1555	.8090-02	.6529-02	.7654-02	4.994	35.93	607.6
15	.30000	.70000	853.00	.2283	.1347	.2161	.1123-01	.9178-02	.1064-01	5.825	47.29	617.4
15	.30000	.80000	854.00	.2616	.2134	.2490	.1268-01	.1050-01	.1226-01	7.756	55.40	622.5
15	.30000	.90000	855.00	.1484	.1223	.1449	.7303-02	.6019-02	.7133-02	4.660	33.32	586.8
15	.30000	.95000	856.00	.1375	.1134	.1356	.6765-02	.5583-02	.6676-02	4.345	30.62	582.7
15	.35600	.00000	857.00	.8860-01	.7310-01	.7800-01	.4362-02	.3599-02	.3838-02	2.800	23.53	583.0
15	.40000	.00000	858.00	.1723	.1404	.1503	.8481-02	.6912-02	.7399-02	5.085	49.47	625.2
15	.40000	.50000-01	859.00	.3473	.2815	.3109	.1709-01	.1386-01	.1530-01	9.964	68.23	641.9
15	.40000	.10000-00	860.00	.2439	.1988	.2244	.1201-01	.9786-02	.1104-01	7.204	48.74	624.8
15	.40000	.20000	861.00	.1512	.1238	.1421	.7443-02	.6094-02	.6996-02	4.578	32.91	609.7
15	.40000	.30000	862.00	.1469	.1203	.1389	.7229-02	.5920-02	.6838-02	4.447	30.93	609.7

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L05)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTROT DEG. R /SEC	TW DEG. R
15	.40000	.40000	863.00	.1543	.1263	.1460	.7595-02	.6217-02	.7187-02	4.666	34.68	610.5
15	.40000	.60000	864.00	.2590	.2120	.2444	.1275-01	.1043-01	.1203-01	7.833	51.17	610.3
15	.40000	.70000	865.00	.3012	.2461	.2847	.1483-01	.1211-01	.1401-01	9.007	58.63	617.3
15	.40000	.75000	866.00	.2638	.2159	.2505	.1298-01	.1063-01	.1233-01	7.964	57.19	611.4
15	.40000	.85000	867.00	.2117	.1739	.2047	.1042-01	.8560-02	.1007-01	6.520	47.91	599.2
15	.40000	.90000	868.00	.1768	.1454	.1740	.8704-02	.7154-02	.8566-02	5.470	45.66	596.4
15	.40000	.95000	869.00	.1585	.1304	.1572	.7800-02	.6417-02	.7737-02	4.927	38.95	593.1
15	.50000	.00000	871.00	.5186	.4132	.4454	.2552-01	.2034-01	.2192-01	13.62	104.6	691.2
15	.50000	.00000+01	872.00	.3735	.3016	.3355	.1839-01	.1484-01	.1651-01	10.49	76.31	654.4
15	.50000	.10000+00	873.00	.2435	.1992	.2263	.1199-01	.9604-02	.1114-01	7.325	52.55	613.8
15	.50000	.20000	874.00	.1711	.1401	.1512	.8423-02	.6897-02	.7935-02	5.182	36.04	609.7
15	.50000	.30000	875.00	.1470	.1205	.1389	.7238-02	.5932-02	.6836-02	4.475	31.18	606.5
15	.50000	.40000	876.00	.1455	.1193	.1376	.7162-02	.5870-02	.6772-02	4.427	30.84	606.7
15	.50000	.50000	877.00	.1833	.1502	.1735	.9022-02	.7391-02	.8539-02	5.566	37.53	607.9
15	.50000	.60000	878.00	.1591	.1309	.1510	.7829-02	.6443-02	.7433-02	4.955	37.82	591.9
15	.50000	.70000	879.00	.5978	.4601	.5012	.2943-01	.2265-01	.2467-01	13.38	102.9	770.2
15	.60000	.00000	880.00	.5986	.4629	.5035	.2946-01	.2278-01	.2478-01	13.68	114.4	724.3
15	.60000	.25000-01	881.00	.6673	.5246	.5754	.3284-01	.2582-01	.2832-01	16.44	115.7	724.3
15	.60000	.50000-01	882.00	.3729	.2976	.3340	.1835-01	.1465-01	.1644-01	9.875	89.22	686.7
15	.60000	.75000-01	883.00	.3707	.2981	.3400	.1824-01	.1467-01	.1674-01	10.20	71.37	665.7
15	.60000	.10000+00	884.00	.2879	.2337	.2679	.1417-01	.1150-01	.1319-01	8.310	57.01	638.3
15	.60000	.20000	885.00	.1904	.1556	.1797	.9370-02	.7659-02	.8843-02	5.709	39.60	615.5
15	.60000	.30000	886.00	.1751	.1432	.1653	.8620-02	.7046-02	.8135-02	5.253	34.23	615.4
15	.60000	.40000	887.00	.1626	.1330	.1533	.8005-02	.6546-02	.7547-02	4.888	32.86	614.3
15	.60000	.50000	888.00	.1675	.1372	.1584	.8243-02	.6751-02	.7798-02	5.078	34.23	608.9
15	.60000	.60000	889.00	.1645	.1349	.1558	.8099-02	.6642-02	.7668-02	5.025	33.95	604.4
15	.60000	.70000	890.00	.1620	.1329	.1544	.7974-02	.6543-02	.7602-02	4.962	34.64	602.5
15	.60000	.80000	891.00	.1354	.1115	.1309	.6655-02	.5485-02	.6445-02	4.221	30.61	591.5
15	.60000	.85000	892.00	.1537	.1266	.1494	.7565-02	.6231-02	.7352-02	4.809	34.34	589.2
15	.60000	.90000	893.00	.1447	.1193	.1427	.7120-02	.5870-02	.7025-02	4.549	33.64	585.9
15	.60000	.95000	894.00	.1256	.1037	.1247	.6184-02	.5105-02	.6135-02	3.986	29.56	580.3
15	.65000	.00000	895.00	.3150	.2532	.2722	.1550-01	.1246-01	.1340-01	8.653	59.82	666.7
15	.70000	.00000	896.00	.1642	.1334	.1430	.8080-02	.6567-02	.7035-02	4.775	59.86	633.9
15	.70000	.25000-01	897.00	.2479	.2016	.2179	.1220-01	.9925-02	.1072-01	7.234	64.30	632.0
15	.70000	.50000+00	898.00	.2537	.2063	.2358	.1249-01	.1016-01	.1160-01	7.400	49.32	632.3
15	.70000	.75000	899.00	.2119	.1731	.1992	.1043-01	.8519-02	.9806-02	6.330	37.76	617.9
15	.70000	.90000	900.00	.1768	.1448	.1672	.8702-02	.7127-02	.8228-02	5.360	32.12	608.9
15	.70000	.40000	901.00	.1652	.1354	.1533	.8133-02	.6663-02	.7691-02	5.019	30.95	607.8
15	.70000	.60000	902.00	.1612	.1322	.1526	.7934-02	.6506-02	.7512-02	4.918	30.37	605.0
15	.70000	.80000	903.00	.1853	.1532	.1834	.9169-02	.7540-02	.9025-02	5.777	40.48	594.8
15	.75000	.00000	904.00	.2599	.2119	.2268	.1279-01	.1043-01	.1116-01	7.687	58.79	623.8
15	.75000	.25000-01	905.00	.3313	.2671	.2889	.1631-01	.1315-01	.1422-01	9.236	69.47	658.4
15	.75000	.50000-01	906.00	.3236	.2623	.2941	.1593-01	.1291-01	.1448-01	9.269	65.56	642.9

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RV1L05)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(11) BTU/R FT2SEC	H(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	D1WDT DEG. R /SEC	TW DEG. R
15	75000	.10000+00	907.00	.2796	.2869	.2595	.1376-01	.1117-01	.1277-01	.1277-01	8.057	53.52	639.3
15	75000	.20000	908.00	.2011	.1642	.1892	.9897-02	.8080-02	.9310-02	.9310-02	5.988	40.15	619.8
15	75000	.30000	909.00	.1754	.1437	.1656	.8635-02	.7074-02	.8151-02	.8151-02	5.324	32.82	608.3
15	75000	.40000	910.00	.1585	.1298	.1495	.7800-02	.6388-02	.7365-02	.7365-02	4.804	30.48	608.9
15	75000	.50000	911.00	.1548	.1270	.1466	.7619-02	.6250-02	.7214-02	.7214-02	4.750	31.04	603.3
15	75000	.60000	912.00	.1547	.1270	.1495	.7616-02	.6252-02	.7358-02	.7358-02	4.750	38.09	601.2
15	75000	.70000	913.00	.1939	.1596	.1908	.9543-02	.7853-02	.9390-02	.9390-02	6.034	43.02	592.6
15	75000	.80000	914.00	.1558	.1282	.1543	.7668-02	.6311-02	.7595-02	.7595-02	4.854	35.79	591.8
15	80000	.90000	915.00	.2804	.2260	.2428	.1380-01	.1112-01	.1195-01	.1195-01	7.800	68.40	659.8
15	80000	.00000	916.00	.1869	.1669	.1923	.1007-01	.8213-02	.9472-02	.9472-02	6.071	40.67	621.7
15	80000	.10000	917.00	.1539	.1259	.1451	.7576-02	.6195-02	.7142-02	.7142-02	4.625	32.09	614.4
15	80000	.20000	918.00	.1813	.1490	.1783	.8925-02	.7332-02	.8774-02	.8774-02	5.591	39.75	598.3
15	85000	.30000	919.00	.3379	.2730	.2930	.1663-01	.1344-01	.1442-01	.1442-01	9.523	71.85	652.2
15	85000	.40000	920.00	.2078	.1694	.1950	.1023-01	.8335-02	.9599-02	.9599-02	6.128	42.29	625.7
15	85000	.50000	921.00	.1712	.1397	.1611	.8426-02	.6875-02	.7929-02	.7929-02	5.082	36.31	607.7
15	90000	.60000	922.00	.1590	.1631	.1743	.9796-02	.8027-02	.8578-02	.8578-02	5.048	46.63	616.4
15	90000	.70000	923.00	.2437	.1991	.2276	.1199-01	.9800-02	.1120-01	.1120-01	7.297	52.28	616.4
15	90000	.80000	924.00	.2385	.1940	.2232	.1174-01	.9547-02	.1098-01	.1098-01	6.954	47.84	632.5
15	90000	.90000	925.00	.2240	.1823	.2103	.1102-01	.8972-02	.1035-01	.1035-01	6.562	45.21	629.5
15	90000	.00000	926.00	.1710	.1396	.1612	.8418-02	.6873-02	.1035-01	.1035-01	5.094	35.26	619.7
15	90000	.10000	927.00	.2962	.2414	.2852	.1458-01	.1188-01	.1404-01	.1404-01	8.744	65.66	625.1
15	90000	.20000	928.00	.2280	.1867	.2246	.1122-01	.9189-02	.1106-01	.1106-01	6.897	53.10	610.3
15	95000	.30000	929.00	.1147	.9500-01	.1012	.5645-02	.4676-02	.4981-02	.4981-02	3.711	27.23	567.4
15	95000	.40000	930.00	.1784	.1469	.1638	.8783-02	.7232-02	.8060-02	.8060-02	5.572	39.12	590.4
15	95000	.50000	931.00	.2132	.1748	.1983	.1049-01	.8603-02	.9759-02	.9759-02	6.497	46.78	605.8
15	95000	.60000	932.00	.3186	.2593	.2988	.1568-01	.1276-01	.1471-01	.1471-01	10.06	62.26	629.8
15	95000	.70000	933.00	.3518	.2650	.3303	.1731-01	.1403-01	.1626-01	.1626-01	9.330	68.81	643.9
15	95000	.80000	934.00	.2172	.1771	.2048	.1069-01	.8715-02	.1008-01	.1008-01	6.417	45.78	624.7
15	95000	.90000	935.00	.3106	.2531	.2956	.1529-01	.1246-01	.1455-01	.1455-01	9.155	66.38	626.0
15	95000	.00000	936.00	.3627	.2956	.3517	.1785-01	.1455-01	.1731-01	.1731-01	10.71	76.39	625.0
15	95000	.10000	937.00	.2592	.2125	.2551	.1276-01	.1046-01	.1256-01	.1256-01	7.896	57.82	606.0

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
181	7.900	.5309	40.08	.0000	180.0	108.2	.1200-01	1269.	94.20	.5250	3756.	.1071-04
182	7.900	.5453	40.09	.0000	180.0	111.1	.1200-01	1269.	94.10	.5390	3756.	.1100-04
183	7.900	.5436	40.08	.0000	180.0	110.7	.1200-01	1269.	94.10	.5370	3755.	.1097-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
181	.7580-07	.1773-01	.5556-01	0.0175
182	.7578-07	.1796-01	.5482-01	.5556-01
183	.7576-07	.1793-01	.5491-01	.5482-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
183	.30000	.00000	845.00	.4300-01	.3560-01	.3860-01	.712-03	.6376-03	.6917-03	.4670	5.223	536.1
183	.30000	.50000-01	846.00	.1521	.1253	.1371	.2726-02	.2246-02	.2457-02	1.616	17.96	548.7
183	.30000	.10000-00	847.00	.1325	.1092	.1201	.2375-02	.1958-02	.2152-02	1.414	12.10	546.3
183	.30000	.20000	848.00	.1251	.1032	.1144	.2243-02	.1850-02	.2051-02	1.340	9.632	544.2
183	.30000	.40000	850.00	.8410-01	.6940-01	.7750-01	.1508-02	.1243-02	.1389-02	.8980	6.446	546.3
183	.30000	.50000	851.00	.6930-01	.5720-01	.6440-01	.1243-02	.1025-02	.1154-02	.7400	5.489	546.4
183	.30000	.60000	852.00	.6390-01	.5270-01	.5930-01	.1145-02	.8588-03	.9575-03	.6220	5.071	545.1
183	.30000	.70000	853.00	.5810-01	.4730-01	.5440-01	.1062-02	.8757-03	.9327-03	.6360	4.473	543.9
183	.30000	.80000	854.00	.5930-01	.4830-01	.5540-01	.6789-03	.5615-03	.6492-03	.4120	3.022	535.0
183	.30000	.90000	855.00	.3790-01	.3130-01	.3620-01	.1852-03	.6497-03	.7565-03	.4780	3.450	533.5
183	.30000	.95000	856.00	.4260-01	.3620-01	.4230-01	.296-02	.1812-02	.1968-02	1.315	11.27	543.1
183	.35000	.00000	857.00	.1225	.1011	.1098	.3053-02	.2539-02	.2739-02	1.800	18.13	554.1
183	.40000	.00000	858.00	.1709	.1405	.1528	.6258-02	.5142-02	.5536-02	3.659	26.13	557.0
183	.40000	.50000-01	859.00	.3491	.2868	.3088	.4377-02	.3602-02	.3960-02	2.581	18.48	551.9
183	.40000	.10000-00	860.00	.2441	.2009	.2209	.2647-02	.2181-02	.2441-02	1.570	11.63	548.5
183	.40000	.20000	861.00	.1477	.1217	.1361	.2178-02	.1795-02	.2020-02	1.295	9.294	547.1
183	.40000	.30000	862.00	.1215	.1001	.1127						

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AEDC VKF VA-18-57A (OH-498) COLLATION DECK

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OH-498 (AEDC VA-18-57A) ORBITER LOWER WING

(RVIL06)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT/SEC	H(10) BTU/ R FT/SEC	H(TAN) BTU/ R FT/SEC	QDOT BTU/ FT/SEC	DTWOT DEG. R /SEC	TH DEG. R
183	40000	40000	863.00	.9970-01	.8220-01	.9250-01	.1787-02	.1473-02	.1658-02	1.063	8.158	546.6
183	40000	60000	864.00	.8780-01	.7250-01	.8130-01	.1574-02	.1299-02	.1458-02	.9430	6.371	542.6
183	40000	70000	865.00	.8840-01	.7290-01	.8200-01	.1585-02	.1308-02	.1471-02	.9490	6.409	542.9
183	40000	75000	866.00	.7700-01	.6360-01	.7180-01	.1181-02	.1140-02	.1286-02	.8290	5.508	541.4
183	40000	85000	867.00	.6720-01	.5550-01	.6360-01	.1204-02	.9950-03	.1140-02	.7270	5.508	537.9
183	40000	90000	868.00	.5830-01	.4820-01	.5620-01	.1046-02	.8646-03	.1008-02	.6330	5.443	536.6
183	40000	95000	869.00	.4850-01	.4010-01	.4710-01	.8695-03	.8444-03	.8444-03	.5280	4.294	535.0
183	50000	00000	871.00	.4823	.3948	.4300	.8645-02	.7077-02	.7708-02	4.248	40.31	569.4
183	50000	50000-01	872.00	.3585	.2947	.3188	.6428-02	.5283-02	.5715-02	3.762	28.72	556.5
183	50000	10000+00	873.00	.2212	.922	.2018	.3965-02	.3262-02	.3618-02	2.355	17.45	547.8
183	50000	20000	874.00	.1523	.1256	.1408	.2731-02	.2252-02	.2524-02	1.629	11.70	545.1
183	50000	30000	875.00	.1142	.9420-01	.1058	.2047-02	.1689-02	.1896-02	1.223	8.791	544.1
183	50000	40000	876.00	.1028	.8480-01	.9540-01	.1843-02	.1521-02	.1709-02	1.101	7.914	544.3
183	50000	50000	877.00	.8890-01	.7330-01	.8250-01	.1593-02	.1315-02	.1479-02	.9540	6.645	542.9
183	50000	60000	878.00	.5720-01	.4730-01	.5330-01	.1026-02	.8484-03	.9550-03	.6220	4.880	535.8
183	55000	90000	879.00	.6333	.5131	.5612	.1135-01	.9199-02	.1006-01	6.152	51.27	539.8
183	60000	00000	880.00	.5719	.4642	.5073	.1245-01	.8322-02	.9095-02	5.607	50.74	594.8
183	60000	25000-01	881.00	.6964	.5681	.6037	.1258-01	.1018-01	.1082-01	7.010	52.89	580.2
183	60000	50000-01	882.00	.3852	.3155	.3427	.6906-02	.5656-02	.6144-02	3.964	37.95	567.7
183	60000	75000-01	883.00	.3823	.3137	.3463	.6851-02	.5625-02	.6208-02	3.985	29.35	560.1
183	60000	10000+00	884.00	.2913	.2398	.2668	.5222-02	.4299-02	.4783-02	3.088	22.12	550.3
183	60000	20000	885.00	.1816	.1498	.1682	.3255-02	.2685-02	.3015-02	1.944	13.97	544.5
183	60000	30000	886.00	.1573	.1298	.1458	.2821-02	.2327-02	.2613-02	1.685	11.37	544.3
183	60000	40000	887.00	.1354	.1125	.1263	.2446-02	.2018-02	.2264-02	1.462	10.17	544.2
183	60000	50000	888.00	.1219	.1006	.1131	.2184-02	.1803-02	.2027-02	1.309	9.123	542.3
183	60000	60000	889.00	.1106	.9130-01	.1027	.1983-02	.1638-02	.1842-02	1.192	8.310	540.8
183	60000	80000	891.00	.7150-01	.5910-01	.6770-01	.1281-02	.1059-02	.1213-02	.7750	5.774	537.0
183	60000	95000	892.00	.8250-01	.6820-01	.7850-01	.1478-02	.1222-02	.1407-02	.8960	6.569	535.8
183	60000	90000	893.00	.6940-01	.5740-01	.6710-01	.1244-02	.1030-02	.1202-02	.7570	5.743	533.8
183	60000	95000	894.00	.5400-01	.4470-01	.5250-01	.9684-03	.8017-03	.9406-03	.5910	4.490	531.6
183	65000	00000	895.00	.3647	.2955	.3251	.6539-02	.5350-02	.5829-02	3.734	31.57	570.6
183	70000	00000	896.00	.1541	.1268	.1378	.2762-02	.2272-02	.2470-02	1.625	21.19	553.5
183	70000	25000-01	897.00	.2439	.2008	.2123	.4372-02	.3599-02	.3806-02	2.583	23.89	551.0
183	70000	10000+00	898.00	.2635	.2172	.2410	.4724-02	.3893-02	.4320-02	2.807	19.51	547.5
183	70000	20000	899.00	.2097	.1730	.1937	.3759-02	.3101-02	.3472-02	2.248	13.92	543.6
183	70000	30000	900.00	.1696	.1401	.1574	.3041-02	.2511-02	.2821-02	1.827	11.33	540.8
183	70000	40000	901.00	.1502	.1240	.1394	.2692-02	.2223-02	.2498-02	1.619	10.32	540.4
183	70000	50000	902.00	.1342	.1109	.1247	.2406-02	.1988-02	.2235-02	1.449	9.241	539.7
183	70000	60000	903.00	.8110-01	.6710-01	.7820-01	.1454-02	.1203-02	.1402-02	.8840	6.385	534.0
183	75000	00000	904.00	.1446	.1138	.1299	.2591-02	.2148-02	.2328-02	1.593	12.79	526.8
183	75000	25000-01	905.00	.3296	.2707	.2860	.5909-02	.4853-02	.5127-02	3.445	27.21	558.7
183	75000	50000-01	906.00	.3394	.2794	.3046	.6084-02	.5009-02	.5461-02	3.595	26.61	550.9
183	75000	10000+00	907.00	.2991	.2464	.2735	.5362-02	.4417-02	.4903-02	3.190	22.09	548.7

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VXF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19TO BTU/ R F12SEC	H1TO BTU/ R F12SEC	H1TAN BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMDT DEG. R /SEC	TM DEG. R
183	75000	20000	908.00	.2054	.1695	.1899	.3683-02	.3039-02	.3404-02	2.204	15.35	543.2
183	75000	30000	909.00	.1712	.1414	.1586	.3069-02	.2535-02	.2844-02	1.847	11.78	539.8
183	75000	40000	910.00	.1433	.1184	.1329	.2570-02	.2122-02	.2382-02	1.546	10.15	539.9
183	75000	60000	911.00	.1317	.1088	.1223	.2361-02	.1951-02	.2193-02	1.426	9.657	537.7
183	75000	80000	912.00	.9480-01	.7840-01	.8900-01	.1700-02	.1405-02	.1609-02	1.030	8.531	535.9
183	75000	90000	913.00	.8420-01	.6970-01	.8120-01	.1510-02	.1250-02	.1455-02	.9200	6.759	532.4
183	75000	95000	914.00	.6140-01	.5080-01	.5960-01	.1101-02	.9114-03	.1068-02	2.798	5.108	531.2
183	80000	00000	915.00	.2675	.2198	.2390	.4796-02	.3939-02	.4285-02	2.227	25.79	558.3
183	80000	20000	916.00	.2084	.1719	.1926	.3736-02	.3081-02	.3453-02	2.227	15.49	545.6
183	80000	40000	917.00	.1522	.1256	.1409	.2728-02	.2252-02	.2525-02	1.639	11.80	540.7
183	80000	60000	918.00	.8870-01	.7340-01	.8540-01	.1590-02	.1316-02	.1531-02	.9680	7.108	533.3
183	85000	00000	919.00	.3062	.2518	.2738	.5490-02	.4513-02	.4907-02	3.218	25.45	555.6
183	85000	20000	920.00	.2059	.1698	.1899	.3691-02	.3045-02	.3405-02	2.204	15.84	544.6
183	85000	40000	921.00	.1675	.1383	.1549	.3003-02	.2479-02	.2777-02	1.802	13.40	541.6
183	90000	00000	922.00	.1757	.1449	.1574	.3150-02	.2598-02	.2821-02	1.881	14.96	544.8
183	90000	10000+00	923.00	.2266	.1870	.2080	.4062-02	.3352-02	.3728-02	2.432	18.07	542.8
183	95000	20000	924.00	.2162	.1784	.1990	.3875-02	.3198-02	.3568-02	2.321	16.69	542.9
183	95000	30000	925.00	.1832	.1561	.1747	.3391-02	.2798-02	.3132-02	2.031	14.61	542.8
183	95000	50000	926.00	.1644	.1358	.1522	.2947-02	.2434-02	.2728-02	1.775	12.78	539.5
183	95000	80000	927.00	.1192	.9850-01	.1127	.2137-02	.1767-02	.2020-02	1.294	10.15	536.4
183	95000	90000	928.00	.9060-01	.7490-01	.8740-01	.1624-02	.1343-02	.1567-02	.9870	7.893	533.9
183	95000	00000	929.00	.9450-01	.7820-01	.8480-01	.1694-02	.1402-02	.1621-02	1.031	7.702	533.1
183	95000	50000-01	930.00	.1416	.1170	.1276	.2538-02	.2097-02	.2287-02	1.532	11.05	537.9
183	95000	10000+00	931.00	.1656	.1367	.1512	.2968-02	.2451-02	.2711-02	1.784	13.27	540.7
183	95000	20000	932.00	.843	.1521	.1700	.3304-02	.2727-02	.3048-02	1.981	13.80	542.2
183	95000	30000	933.00	.1872	.1546	.1731	.3357-02	.2771-02	.3104-02	2.013	14.49	541.8
183	95000	50000	934.00	.1406	.1162	.1303	.2520-02	.2082-02	.2336-02	1.520	11.32	538.7
183	95000	70000	935.00	.1213	.1003	.1134	.2174-02	.1798-02	.2033-02	1.316	9.977	536.4
183	95000	80000	936.00	.1182	.9780-01	.1125	.2119-02	.1753-02	.2016-02	1.287	9.607	534.2
183	95000	90000	937.00	.8100-01	.6710-01	.7810-01	.1453-02	.1202-02	.1400-02	.8860	6.730	531.9

LOWER WING

OH-498 (AEDC V418-57A) ORBITER LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
154	7.940	1.027	40.07	.0000	180.0	211.6	.2300-01	1267.	93.10	1.004	3753.	.2051-04
155	7.940	1.013	40.11	.0000	180.0	209.8	.2300-01	1271.	93.40	.9960	3761.	.2026-04
156	7.940	1.023	40.08	.0000	180.0	210.3	.2300-01	1265.	93.00	.9980	3751.	.2041-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
154	7.933-07	.2450-01	.4014-01	0.0175
155	7.522-07	.2441-01	.4041-01	
156	7.485-07	.2442-01	.4024-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
156	.30000	.00000	845.00	.4230-01	.3490-01	.3730-01	.1034-02	.8534-03	.9265-03	.6190	6.902	540.5
156	.30000	.50000-01	846.00	.1454	.1194	.1309	.3551-02	.2916-02	.3195-02	2.061	22.79	558.5
156	.30000	.10000+00	847.00	.1378	.1133	.1247	.3366-02	.2766-02	.3045-02	1.963	16.73	555.4
156	.30000	.20000	848.00	.1248	.1026	.1140	.3047-02	.2505-02	.2783-02	1.788	12.80	552.0
156	.30000	.40000	850.00	.7870-01	.6470-01	.7240-01	.1922-02	.1580-02	.1769-02	1.121	8.014	555.4
156	.30000	.50000	851.00	.6380-01	.5240-01	.5910-01	.1559-02	.1280-02	.1444-02	.9070	6.694	556.7
156	.30000	.60000	852.00	.6100-01	.5010-01	.5650-01	.1490-02	.1224-02	.1381-02	.8680	6.408	556.1
156	.30000	.70000	853.00	.5690-01	.4680-01	.5280-01	.1390-02	.1142-02	.1299-02	.8110	5.795	555.2
156	.30000	.80000	854.00	.5750-01	.4730-01	.5370-01	.1405-02	.1155-02	.1311-02	.8210	6.067	554.2
156	.30000	.90000	855.00	.4030-01	.3320-01	.3850-01	.9829-03	.8105-03	.9393-03	.5850	4.271	543.9
156	.30000	.95000	856.00	.4460-01	.3700-01	.4330-01	.1095-02	.9032-03	.1057-02	.6530	4.699	542.1
156	.35000	.00000	857.00	.6550-01	.5390-01	.5630-01	.1598-02	.1316-02	.1430-02	.9410	8.035	550.2
156	.40000	.00000	858.00	.1681	.1378	.1500	.4105-02	.3364-02	.3663-02	2.357	23.82	564.5
156	.40000	.50000-01	859.00	.3428	.2805	.3025	.8372-02	.6850-02	.7386-02	4.766	33.82	569.4
156	.40000	.10000+00	860.00	.2391	.1950	.2159	.5840-02	.4787-02	.5273-02	3.360	23.91	563.4
156	.40000	.20000	861.00	.1467	.1204	.1350	.3583-02	.2941-02	.3299-02	2.076	15.30	559.3
156	.40000	.30000	862.00	.1213	.9960-01	.1123	.2962-02	.2432-02	.2743-02	1.718	12.26	558.6

AEDC VKF V41B-57A (OH-498) COLLATION DECK

DATE 25 AUG 76

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTROT DEG. R /SEC	TM DEG. R
156	.40000	.40000	863.00	.1000-01	.8210-01	.9270-01	.2442-02	.2006-02	.2263-02	1.421	10.84	557.4
156	.40000	.60000	864.00	.8640-01	.7100-01	.7990-01	.2110-02	.1734-02	.1951-02	1.234	8.287	554.0
156	.40000	.70000	865.00	.9060-01	.7450-01	.8390-01	.2122-02	.1818-02	.2050-02	1.293	8.685	554.2
156	.40000	.75000	866.00	.7820-01	.6430-01	.7280-01	.1910-02	.1571-02	.1777-02	1.120	8.280	552.5
156	.40000	.85000	867.00	.7140-01	.5880-01	.6750-01	.1743-02	.1435-02	.1649-02	1.028	7.746	548.9
156	.40000	.90000	868.00	.6010-01	.4950-01	.5790-01	.1468-02	.1210-02	.1414-02	.8600	7.429	547.3
156	.40000	.95000	869.00	.5140-01	.4240-01	.4990-01	.1256-02	.1035-02	.1219-02	.7450	6.035	545.2
156	.50000	.00000	871.00	.4793	.3699	.4258	.1170-01	.0922-02	.1040-01	6.463	52.21	586.5
156	.50000	.50000	872.00	.3502	.2854	.3104	.0552-02	.0993-02	.0580-02	4.855	36.79	571.0
156	.50000	.10000-00	873.00	.2145	.1760	.1953	.5239-02	.4299-02	.4770-02	3.031	22.33	560.1
156	.50000	.20000	874.00	.1478	.1213	.1363	.3608-02	.2963-02	.3329-02	2.097	14.97	557.5
156	.50000	.30000	875.00	.1100	.0930-01	.1017	.2685-02	.2206-02	.2483-02	1.565	11.18	556.1
156	.50000	.40000	876.00	.9940-01	.8170-01	.9200-01	.2427-02	.1994-02	.2247-02	1.415	10.1	555.6
156	.50000	.60000	877.00	.8450-01	.6560-01	.7850-01	.2067-02	.1699-02	.1916-02	1.207	8.362	554.5
156	.50000	.90000	878.00	.5500-01	.4530-01	.5110-01	.1342-02	.1106-02	.1248-02	.7950	6.206	546.6
156	.50000	.00000	879.00	.6171	.4949	.5435	.1507-01	.1209-01	.1327-01	7.726	63.57	626.0
156	.60000	.00000	880.00	.5700	.4581	.5026	.1392-01	.1119-01	.1227-01	7.207	64.39	621.0
156	.60000	.25000-01	881.00	.6922	.5518	.5878	.1666-01	.1348-01	.1435-01	8.924	66.57	603.0
156	.60000	.50000-01	882.00	.3621	.3108	.3285	.9474-02	.7732-02	.8558-02	5.148	48.81	587.0
156	.60000	.75000-01	883.00	.3880	.3166	.3505	.7012-02	.5746-02	.6408-02	5.321	38.87	577.0
156	.60000	.10000-00	884.00	.2871	.2353	.2624	.4332-02	.3559-02	.4006-02	4.028	28.65	564.2
156	.60000	.20000	885.00	.1774	.1457	.1641	.3724-02	.3057-02	.3443-02	2.522	18.01	556.5
156	.60000	.30000	886.00	.1525	.1252	.1410	.2993-02	.2459-02	.2773-02	2.159	14.47	559.1
156	.60000	.40000	887.00	.1283	.1054	.1185	.3134-02	.2573-02	.2894-02	1.820	12.59	557.9
156	.60000	.50000	888.00	.1226	.1007	.1136	.2666-02	.2192-02	.2472-02	1.744	12.07	556.1
156	.60000	.60000	889.00	.1092	.8980-01	.1012	.1791-02	.1474-02	.1694-02	1.559	10.80	554.1
156	.60000	.90000	891.00	.7330-01	.6040-01	.6940-01	.2039-02	.1680-02	.1939-02	1.055	7.814	549.6
156	.60000	.00000	892.00	.8350-01	.6880-01	.7540-01	.1754-02	.1446-02	.1693-02	1.207	8.800	547.1
156	.60000	.90000	893.00	.7180-01	.5920-01	.6930-01	.1382-02	.1140-02	.1342-02	8.240	6.228	542.5
156	.60000	.50000	894.00	.5650-01	.4670-01	.5490-01	.6678-02	.5054-02	.5706-02	4.769	39.95	589.2
156	.60000	.00000	895.00	.3554	.2889	.3155	.3735-02	.3060-02	.3333-02	2.135	27.65	567.5
156	.70000	.10000-00	896.00	.331	.253	.2104	.5923-02	.4853-02	.5138-02	3.399	31.22	565.0
156	.70000	.25000-01	897.00	.2426	.1987	.2365	.6329-02	.5192-02	.5775-02	3.656	25.24	561.0
156	.70000	.50000-00	898.00	.2592	.2126	.2565	.5236-02	.4304-02	.4828-02	3.057	18.82	554.9
156	.70000	.20000	899.00	.2144	.1762	.1977	.4103-02	.3373-02	.3800-02	2.400	14.78	553.7
156	.70000	.30000	900.00	.1680	.1381	.1556	.3617-02	.2974-02	.3351-02	2.114	13.39	554.3
156	.70000	.40000	901.00	.1481	.1218	.1372	.3265-02	.2684-02	.3026-02	1.908	12.08	554.3
156	.70000	.60000	902.00	.1337	.1099	.1239	.2507-02	.1637-02	.1913-02	1.178	8.461	545.4
156	.70000	.90000	903.00	.8130-01	.6700-01	.7830-01	.2507-02	.1637-02	.1913-02	2.088	16.62	543.3
156	.70000	.00000	904.00	.1436	.1185	.1286	.7945-02	.6893-02	.6864-02	4.475	35.04	575.6
156	.70000	.25000-01	905.00	.3254	.2657	.2811	.8182-02	.6702-02	.7323-02	4.686	34.42	566.0
156	.70000	.50000-01	906.00	.3351	.2744	.2999	.7019-02	.5753-02	.6402-02	4.037	27.83	563.6
156	.75000	.10000-01	907.00	.2874	.2356	.2621						

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AEDC VKF V11B-57A (OH-498) COLLATION CHECK

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(RV1106)

OH-498 (AEDC V11B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(ISTO) BTU/ R FT2SEC	H(TOI) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTADT DEG. R /SEC	TW DEG. R
156	75000	20000	908.00	.2015	.1655	.1850	.4920-02	.4042-02	.4538-02	2.867	19.84	556.0
156	75000	30000	909.00	.1698	.1396	.1570	.4145-02	.3409-02	.3834-02	2.430	15.40	552.7
156	75000	40000	910.00	.1453	.1195	.1344	.3547-02	.2917-02	.3282-02	2.077	13.54	553.3
156	75000	60000	911.00	.1330	.1094	.1233	.3247-02	.2671-02	.3011-02	1.903	12.79	552.7
156	75000	80000	912.00	.9650-01	.7940-01	.9120-01	.2356-02	.1939-02	.2227-02	1.385	11.39	550.8
156	75000	90000	913.00	.8610-01	.7100-01	.8290-01	.2102-02	.1733-02	.2024-02	1.249	9.123	544.4
156	75000	95000	914.00	.6460-01	.5330-01	.6260-01	.1578-02	.1302-02	.1530-02	9.400	7.100	543.3
156	80000	95000	915.00	.2639	.2155	.2350	.6445-02	.5263-02	.5739-02	3.632	33.19	575.2
156	80000	20000	916.00	.2100	.1725	.1938	.5123-02	.4213-02	.4733-02	2.984	20.64	556.9
156	80000	40000	917.00	.1515	.1245	.1400	.3700-02	.3041-02	.3419-02	2.161	15.45	554.6
156	80000	60000	918.00	.8810-01	.7260-01	.8470-01	.2150-02	.1772-02	.2069-02	1.275	9.300	546.0
156	80000	80000	919.00	.3023	.2472	.2693	.7382-02	.6035-02	.6577-02	4.187	32.86	571.5
156	85000	20000	920.00	.2070	.1701	.1906	.5056-02	.4153-02	.4655-02	2.943	21.01	554.2
156	85000	40000	921.00	.1659	.1364	.1531	.4051-02	.3330-02	.3739-02	2.368	17.49	554.9
156	85000	60000	922.00	.1725	.1417	.1541	.4211-02	.3461-02	.3764-02	2.459	19.46	555.6
156	90000	10000-00	923.00	.2325	.1911	.2130	.5678-02	.4666-02	.5201-02	3.311	24.45	555.6
156	90000	20000	924.00	.2065	.1696	.1897	.5042-02	.4142-02	.4633-02	2.936	20.97	556.5
156	90000	30000	925.00	.1955	.1607	.1802	.4774-02	.3924-02	.4401-02	2.787	19.92	554.9
156	90000	50000	926.00	.1642	.1350	.1518	.4010-02	.3297-02	.3706-02	2.347	16.79	553.5
156	90000	80000	927.00	.1109	.9120-01	.1046	.2705-02	.2227-02	.2553-02	1.593	12.42	549.8
156	90000	90000	928.00	.9290-01	.7660-01	.8960-01	.2269-02	.1869-02	.2189-02	1.344	10.68	546.4
156	95000	00000	929.00	.9060-01	.7480-01	.8120-01	.2213-02	.1827-02	.2189-02	1.324	9.849	540.5
156	95000	50000-01	930.00	.1518	.1250	.1365	.3706-02	.3052-02	.3334-02	2.188	15.69	548.5
156	95000	10000-00	931.00	.1668	.1373	.1521	.4072-02	.3352-02	.3714-02	2.395	17.73	550.4
156	95000	20000	932.00	.1830	.1505	.1686	.4470-02	.3676-02	.4118-02	2.618	18.15	552.9
156	95000	30000	933.00	.1878	.1544	.1733	.4586-02	.3770-02	.4233-02	2.681	19.17	554.1
156	95000	50000	934.00	.1368	.1126	.1266	.3341-02	.2749-02	.3092-02	1.960	14.49	552.2
156	95000	70000	935.00	.1247	.1026	.1164	.5044-02	.2505-02	.2842-02	1.788	13.46	551.3
156	95000	80000	936.00	.1217	.1002	.1156	.2971-02	.2447-02	.2823-02	1.755	13.01	548.0
156	95000	90000	937.00	.8260-01	.6830-01	.7980-01	.2022-02	.1668-02	.1948-02	1.204	9.094	543.5

AEDC VKF V413-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = J.CU BETA = .0000 ELEVTR = .0000 SPDRBK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
130	7.970	1.507	40.11	.0000	180.0	321.2	.3400-01	1287.	93.90	1.499	3785.	.3011-04
131	7.970	1.517	40.08	.0000	180.0	320.8	.3400-01	1281.	93.40	1.497	3775.	.3023-04
132	7.970	1.527	40.13	.0000	180.0	321.5	.3400-01	1277.	93.20	1.501	3770.	.3039-04

RUN NUMBER	MU	HREF BTU/ R FT2	ST FR R =
130	.7563-07	.3002-01	0.0175
131	.7523-07	.2997-01	.3318-01
132	.7502-07	.2999-01	.3310-01

TEST DATA

RUN NUMBER	21/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
132	.30000	.00000	845.00	.4230-01	.3490-01	.3790-01	.1270-02	.1047-02	.1137-02	.7610	8.453	549.9
132	.30000	.50000-01	846.00	.1429	.1169	.1283	.4284-02	.3506-02	.3847-02	2.464	27.03	574.2
132	.30000	.1000+00	847.00	.1397	.1145	.1262	.4189-02	.3434-02	.3794-02	2.433	20.59	568.4
132	.30000	.20000	848.00	.1240	.1017	.1130	.3717-02	.3030-02	.3390-02	2.168	15.41	566.1
132	.30000	.40000	850.00	.7430-01	.6090-01	.6850-01	.2228-02	.1826-02	.2047-02	1.290	9.151	570.3
132	.30000	.50000	851.00	.6200-01	.5030-01	.5750-01	.1655-02	.1327-02	.1726-02	1.075	7.869	572.9
132	.30000	.60000	852.00	.6330-01	.5180-01	.5650-01	.1893-02	.1544-02	.1756-02	1.034	8.008	573.0
132	.30000	.70000	853.00	.6290-01	.5150-01	.5630-01	.1895-02	.1544-02	.1747-02	1.088	7.706	572.6
132	.30000	.80000	854.00	.7330-01	.5630-01	.6200-01	.2195-02	.1798-02	.2045-02	1.263	9.295	571.2
132	.30000	.90000	855.00	.5050-01	.4150-01	.4820-01	.1514-02	.1245-02	.1445-02	.8970	6.514	556.4
132	.30000	.95000	856.00	.5050-01	.4000-01	.4300-01	.1674-02	.1379-02	.1615-02	.9970	7.127	553.9
132	.35000	.00000	857.00	.9230-01	.7580-01	.8250-01	.2768-02	.2273-02	.2473-02	1.623	13.77	562.9
132	.40000	.00000	858.00	.1570	.1364	.1488	.5010-02	.4091-02	.4461-02	2.848	28.32	580.7
132	.40000	.50000-01	859.00	.3397	.2757	.2988	.1019-01	.8299-02	.8361-01	5.715	40.17	588.3
132	.40000	.1000+00	860.00	.2406	.1954	.2167	.7215-02	.5891-02	.6503-02	4.100	28.93	581.0
132	.40000	.20000	861.00	.1476	.1208	.1357	.4427-02	.3622-02	.4088-02	2.545	18.61	574.4
132	.40000	.30000	862.00	.1185	.9700-01	.1096	.3555-02	.2908-02	.3286-02	2.040	14.43	575.4

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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(RV1L06)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTAOT DEG. R /SEC	TH DEG. R
132	40000	40000	863.00	.9820-01	.8030-01	.9080-01	.2944-02	.2409-02	.2724-02	1.692	12.80	574.6
132	40000	60000	854.00	.9300-01	.7620-01	.8580-01	.2788-02	.2284-02	.2574-02	1.614	10.75	570.5
132	40000	70000	865.00	.1013	.8290-01	.9370-01	.2337-02	.2487-02	.2809-02	1.756	11.70	571.0
132	40000	75000	866.00	.8960-01	.7340-01	.8320-01	.2686-02	.2202-02	.2495-02	1.559	11.43	568.8
132	40000	85000	867.00	.8250-01	.6780-01	.7800-01	.2474-02	.2032-02	.2432-02	1.452	10.87	562.4
132	40000	90000	868.00	.7020-01	.5770-01	.6750-01	.2105-02	.1730-02	.2026-02	1.241	10.55	559.8
132	40000	55000	869.00	.6120-01	.5030-01	.5940-01	.1835-02	.1510-02	.1780-02	1.087	8.753	556.8
132	50000	60000	871.00	.4759	.3950	.4214	.1427-01	.1155-01	.1264-01	7.725	61.75	607.9
132	50000	50000-01	872.00	.3454	.2816	.3051	.1036-01	.0827-02	.9150-02	5.773	43.30	592.0
132	50000	10000+00	873.00	.2134	.1744	.1939	.6400-02	.5230-02	.5815-02	3.653	26.67	578.4
132	50000	20000	874.00	.1488	.1219	.1371	.4464-02	.3655-02	.4112-02	2.575	18.24	572.5
132	50000	30000	875.00	.1144	.9370-01	.1056	.3431-02	.2810-02	.3168-02	1.980	14.03	572.1
132	50000	40000	876.00	.9720-01	.7950-01	.8990-01	.2915-02	.2287-02	.2695-02	1.683	11.93	571.9
132	50000	50000	877.00	.8350-01	.6840-01	.7730-01	.2504-02	.2052-02	.2318-02	1.449	9.957	570.5
132	50000	60000	878.00	.6030-01	.4960-01	.5500-01	.1810-02	.1488-02	.1680-02	1.069	8.300	558.4
132	55000	70000	879.00	.5121	.4866	.5364	.1836-01	.1459-01	.1609-01	9.087	73.75	654.3
132	60000	80000	880.00	.5724	.4561	.5023	.1717-01	.1368-01	.1506-01	8.598	75.81	648.4
132	60000	25000-01	881.00	.6895	.5538	.5903	.2068-01	.1651-01	.1772-01	10.77	79.39	628.2
132	60000	50000-01	882.00	.3827	.3095	.3378	.1148-01	.9284-02	.1013-01	6.202	58.17	608.9
132	60000	75000-01	883.00	.3868	.3142	.3484	.1150-01	.9422-02	.1045-01	6.405	46.32	597.2
132	60000	10000+00	884.00	.2314	.2378	.2657	.8740-02	.7132-02	.7969-02	3.952	34.51	582.7
132	60000	20000	885.00	.1769	.1447	.1633	.5305-02	.4341-02	.4896-02	3.050	21.59	574.3
132	60000	30000	886.00	.1567	.1282	.1447	.4700-02	.3846-02	.4338-02	2.700	17.95	574.8
132	60000	40000	887.00	.1323	.1037	.1225	.3984-02	.3259-02	.3673-02	2.285	15.65	575.8
132	60000	50000	888.00	.1217	.9950-01	.1125	.3649-02	.2987-02	.3375-02	1.926	14.44	572.8
132	60000	60000	889.00	.1109	.9030-01	.1027	.3327-02	.2726-02	.3080-02	1.387	13.24	570.3
132	60000	70000	890.00	.7890-01	.6470-01	.7450-01	.2365-02	.1942-02	.2235-02	10.20	562.9	
132	60000	85000	891.00	.9280-01	.7630-01	.8820-01	.2785-02	.2288-02	.2645-02	1.640	11.88	560.2
132	60000	90000	892.00	.7680-01	.6320-01	.7410-01	.2303-02	.1895-02	.2222-02	1.365	10.24	556.6
132	65000	95000	894.00	.5790-01	.4690-01	.5530-01	.1709-02	.1408-02	.1659-02	1.019	7.660	553.2
132	70000	10000	895.00	.3455	.2677	.3149	.1066-01	.8627-02	.9443-02	5.770	47.89	608.2
132	70000	20000	896.00	.1519	.1263	.1379	.4546-02	.3789-02	.4134-02	2.625	33.72	584.1
132	70000	30000	897.00	.2453	.2003	.2122	.7357-02	.6000-02	.6365-02	4.183	38.13	580.6
132	70000	40000	898.00	.2594	.2121	.2362	.7778-02	.6360-02	.7084-02	4.455	30.52	576.5
132	70000	50000	899.00	.2113	.1731	.1945	.6337-02	.5191-02	.5833-02	3.666	22.38	570.8
132	70000	60000	900.00	.1681	.1378	.1555	.5043-02	.4133-02	.4664-02	2.925	17.88	569.2
132	70000	70000	901.00	.1491	.1222	.1379	.4472-02	.3664-02	.4135-02	2.588	16.25	570.6
132	70000	80000	902.00	.1376	.1127	.1274	.4126-02	.3381-02	.3820-02	2.388	15.00	570.8
132	70000	90000	903.00	.6840-01	.7270-01	.8510-01	.2653-02	.2182-02	.2553-02	1.569	11.20	557.7
132	75000	10000	904.00	.1425	.1226	.1331	.4455-02	.3678-02	.3993-02	2.695	21.44	544.2
132	75000	25000-01	905.00	.3298	.2674	.2832	.9662-02	.8021-02	.9493-02	5.487	42.61	592.9
132	75000	50000-01	906.00	.3317	.2732	.2929	.1004-01	.8195-02	.8965-02	5.696	41.51	581.9
132	75000	10000+00	907.00	.2644	.2324	.2589	.8530-02	.6969-02	.7766-02	4.862	33.26	579.3

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH CEG. R
132	.75000	.20000	908.00	.2012	.1649	.1853	.6035-02	.4945-02	.5559-02	3.497	24.03	569.8
132	.75000	.30000	909.00	.1692	.1388	.1563	.5076-02	.4163-02	.4688-02	2.957	18.61	566.8
132	.75000	.40000	910.00	.1434	.1174	.1324	.4300-02	.3522-02	.3970-02	2.485	16.06	571.3
132	.75000	.60000	911.00	.1336	.1095	.1236	.4006-02	.3283-02	.3708-02	2.323	15.49	563.4
132	.75000	.80000	912.00	.1021	.8380-01	.9640-01	.3062-02	.2512-02	.2892-02	1.787	14.59	565.6
132	.75000	.90000	913.00	.9040-01	.7440-01	.8700-01	.2713-02	.2232-02	.2610-02	1.609	11.68	556.2
132	.75000	.95000	914.00	.6470-01	.5330-01	.6270-01	.1940-02	.1538-02	.1879-02	1.156	8.687	553.5
132	.80000	.00000	915.00	.2662	.2166	.2365	.7983-02	.6495-02	.7094-02	4.449	40.32	592.0
132	.80000	.20000	916.00	.2098	.1719	.1933	.6291-02	.5156-02	.5798-02	3.650	25.09	509.2
132	.80000	.40000	917.00	.1495	.1225	.1379	.4484-02	.3674-02	.4137-02	2.598	18.43	569.8
132	.80000	.60000	918.00	.9450-01	.7770-01	.9090-01	.2835-02	.2331-02	.2725-02	1.675	12.15	558.4
132	.85000	.00000	919.00	.2961	.2413	.2634	.8882-02	.7236-02	.7899-02	4.988	38.83	597.7
132	.85000	.20000	920.00	.2134	.1748	.1962	.6402-02	.5243-02	.5885-02	3.698	26.21	571.0
132	.85000	.40000	921.00	.1688	.1383	.1556	.5063-02	.4147-02	.4665-02	2.928	21.45	567.7
132	.90000	.00000	922.00	.1690	.1365	.1508	.5067-02	.4155-02	.4524-02	2.947	23.17	569.4
132	.90000	.10000*00	923.00	.2301	.1886	.2105	.6902-02	.5655-02	.6313-02	4.003	29.35	571.6
132	.90000	.20000	924.00	.2057	.1684	.1887	.6168-02	.5052-02	.5658-02	3.563	25.26	571.0
132	.90000	.30000	925.00	.1975	.1618	.1818	.5923-02	.4852-02	.5452-02	3.425	24.28	569.7
132	.90000	.50000	926.00	.1630	.1336	.1504	.4888-02	.4006-02	.4510-02	2.833	20.10	564.8
132	.90000	.80000	927.00	.1173	.9630-01	.1106	.3518-02	.2887-02	.3316-02	2.056	15.91	559.4
132	.90000	.90000	928.00	.8680-01	.7300-01	.8560-01	.2663-02	.2189-02	.2566-02	1.571	12.40	549.6
132	.95000	.00000	929.00	.9040-01	.7450-01	.8100-01	.2711-02	.2235-02	.2428-02	1.626	12.04	549.0
132	.95000	.50000-01	930.00	.1416	.1165	.1273	.4248-02	.3494-02	.3819-02	2.512	17.92	563.2
132	.95000	.10000*00	931.00	.1609	.1321	.1465	.4825-02	.3961-02	.4394-02	2.827	20.80	567.1
132	.95000	.20000	932.00	.1905	.1562	.1752	.5712-02	.4685-02	.5255-02	3.326	22.89	569.1
132	.95000	.30000	933.00	.1650	.1524	.1714	.5577-02	.4571-02	.5140-02	3.236	22.96	564.9
132	.95000	.50000	934.00	.1353	.1110	.1250	.4057-02	.3330-02	.3749-02	2.371	17.42	566.2
132	.95000	.70000	935.00	.1278	.1049	.1191	.3833-02	.3145-02	.3573-02	2.235	16.69	561.5
132	.95000	.80000	936.00	.1249	.1026	.1186	.3745-02	.3077-02	.3556-02	2.202	16.21	554.6
132	.95000	.90000	937.00	.8170-01	.6720-01	.7860-01	.2450-02	.2017-02	.2358-02	1.457	10.94	

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OH-498 (AEDC V418-57A) ORBITER LOWER WING

(RVIL06)

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
100	7.980	2.007	40.07	.0000	180.0	431.9	.4500-01	1292.	94.10	2.004	3793.	.4009-04
101	7.980	2.001	40.11	.0000	180.0	431.0	.4500-01	1293.	94.10	2.000	3794.	.3999-04
102	7.980	2.006	40.09	.0000	180.0	432.0	.4500-01	1293.	94.20	2.005	3794.	.4008-04

RUN NUMBER	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
100	.7576-07	.3473-01	0.0175
101	.7580-07	.3470-01	.2881-01
102	.7580-07	.3474-01	.2878-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R-0.9	H/HREF R-1.0	H/HREF (TAW)	H19TO BTU/ R FT ² SEC	H1TO BTU/ R FT ² SEC	H1TAW BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTMOT DEG. R /SEC	TW DEG. R
102	.30000	.00000	845.00	.4260-01	.3530-01	.3830-01	.1480-02	.1226-02	.1329-02	.9240	10.32	539.6
102	.30000	.50000-01	846.00	.1405	.1153	.1264	.4830-02	.4006-02	.4390-02	2.890	31.75	571.7
102	.30000	.10000+00	847.00	.1199	.9860-01	.1085	.4866-02	.3425-02	.3770-02	2.491	21.11	566.0
102	.30000	.20000	848.00	.1228	.1011	.1122	.4257-02	.3513-02	.3698-02	2.570	18.31	561.6
102	.30000	.40000	850.00	.7100-01	.5930-01	.6530-01	.2466-02	.2026-02	.2268-02	1.467	10.41	569.2
102	.30000	.50000	851.00	.6750-01	.5540-01	.6250-01	.2344-02	.1921-02	.2171-02	1.390	10.18	570.9
102	.30000	.60000	852.00	.7330-01	.6070-01	.6850-01	.2569-02	.2106-02	.2379-02	1.522	11.15	571.4
102	.30000	.70000	853.00	.6840-01	.7650-01	.8230-01	.3070-02	.2520-02	.2847-02	1.821	12.91	570.7
102	.30000	.80000	854.00	.1169	.9610-01	.1030	.4060-02	.3337-02	.3728-02	2.424	17.80	566.8
102	.30000	.90000	855.00	.7800-01	.6450-01	.7460-01	.2710-02	.2241-02	.2592-02	1.676	12.23	545.6
102	.30000	.95000	856.00	.8360-01	.6930-01	.2070-01	.2904-02	.2404-02	.2805-02	1.808	13.01	541.3
102	.35000	.00000	857.00	.9160-01	.7550-01	.8200-01	.3182-02	.2624-02	.2850-02	1.935	16.48	556.0
102	.40000	.00000	858.00	.1561	.1361	.1482	.5770-02	.4728-02	.5148-02	3.383	33.69	577.6
102	.40000	.50000-01	859.00	.3324	.2715	.2929	.1155-01	.9431-02	.1018-01	6.650	46.75	598.1
102	.40000	.10000+00	860.00	.2360	.1932	.2129	.1937-02	.6711-02	.7397-02	4.787	33.79	579.9
102	.40000	.20000	861.00	.1431	.1174	.1317	.4971-02	.4079-02	.4575-02	2.941	21.54	572.3
102	.40000	.30000	862.00	.1201	.9850-01	.1112	.4172-02	.3424-02	.3863-02	2.468	17.48	572.5

(RVIL06)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(ISTO) BTU/ R FT2SEC	H(ITO) BTU/ R FT2SEC	H(IAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TH DEG. R
102	40000	40000	863.00	.1051	.8620-01	.9730-01	.3651-02	.2995-02	.3381-02	2.155	16.31	573.7
102	40000	.60000	864.00	.1135	.9320-01	.1049	.3942-02	.3238-02	.3644-02	2.344	15.62	569.4
102	40000	.70000	865.00	.1327	.1091	.1230	.4611-02	.3790-02	.4272-02	2.755	18.39	566.5
102	40000	.75000	866.00	.1141	.9390-01	.1062	.3364-02	.3262-02	.3608-02	2.381	17.51	563.2
102	40000	.85000	867.00	.1113	.9180-01	.1053	.3856-02	.3189-02	.3659-02	2.355	17.68	555.0
102	40000	.90000	868.00	.9760-01	.8060-01	.9400-01	.3390-02	.2800-02	.3266-02	2.081	17.78	550.0
102	40000	.95000	869.00	.8580-01	.7090-01	.8330-01	.2980-02	.2464-02	.2894-02	1.838	14.87	547.1
102	50000	.00000	871.00	.4729	.3833	.4192	.1643-01	.1331-01	.1456-01	6.085	72.51	610.9
102	50000	.50000-01	872.00	.3389	.2762	.2997	.1177-01	.9596-02	.1041-01	6.712	50.30	593.8
102	50000	.10000+00	873.00	.2144	.1757	.1951	.7448-02	.6104-02	.6778-02	4.374	31.95	576.7
102	50000	.20000	874.00	.1455	.1195	.1342	.5054-02	.4151-02	.4663-02	3.005	21.32	569.4
102	50000	.30000	875.00	.1150	.9450-01	.1063	.3994-02	.3282-02	.3694-02	2.381	16.91	567.8
102	50000	.40000	876.00	.1003	.8240-01	.9290-01	.3485-02	.2862-02	.3226-02	2.068	14.67	570.5
102	50000	.60000	877.00	.9620-01	.7900-01	.8920-01	.3343-02	.2746-02	.3098-02	1.988	13.66	569.4
102	50000	.90000	878.00	.790-0-01	.6560-01	.7390-01	.2759-02	.2378-02	.2567-02	1.691	13.17	551.2
102	55000	.00000	879.00	.6025	.4785	.5275	.2093-01	.1662-01	.1833-01	10.45	84.38	664.7
102	60000	.00000	880.00	.5682	.4525	.4983	.1974-01	.1572-01	.1731-01	9.978	87.55	658.5
102	60000	.25000-01	881.00	.6822	.5479	.5848	.2370-01	.1934-01	.2032-01	12.51	91.81	636.2
102	60000	.50000-01	882.00	.3842	.3111	.3394	.1335-01	.1081-01	.1179-01	7.346	68.74	613.6
102	60000	.75000-01	883.00	.3809	.3097	.3434	.1323-01	.1076-01	.1193-01	7.446	53.74	601.3
102	60000	.10000+00	884.00	.2675	.2351	.2625	.9989-02	.8167-02	.9118-02	5.791	40.79	584.2
102	60000	.20000	885.00	.1786	.1465	.1651	.6504-02	.5091-02	.5734-02	3.670	26.01	572.3
102	60000	.30000	886.00	.1530	.1296	.1460	.4754-02	.4503-02	.5072-02	3.246	21.61	572.0
102	60000	.40000	887.00	.1368	.1123	.1263	.4326-02	.3901-02	.4389-02	2.814	19.32	572.0
102	60000	.50000	888.00	.1245	.1023	.1153	.4326-02	.3553-02	.4007-02	2.568	17.65	570.3
102	60000	.60000	889.00	.1139	.9350-01	.1055	.3954-02	.3245-02	.3663-02	2.359	16.23	567.4
102	60000	.80000	890.00	.9380-01	.7400-01	.8500-01	.3123-02	.2571-02	.2934-02	1.883	13.87	560.8
102	60000	.00000	891.00	.1042	.8590-01	.9910-01	.3620-02	.2935-02	.3443-02	2.199	15.97	556.4
102	60000	.60000	892.00	.6330-01	.7130-01	.8340-01	.3000-02	.2477-02	.2897-02	1.840	13.85	550.4
102	60000	.90000	893.00	.6440-01	.5330-01	.6250-01	.2237-02	.1850-02	.2172-02	1.386	10.46	544.4
102	65000	.00000	895.00	.3514	.2847	.3114	.1221-01	.9823-02	.1022-01	6.738	55.82	611.9
102	70000	.00000	896.00	.1567	.1282	.1337	.5444-02	.4455-02	.4853-02	3.169	40.76	581.8
102	70000	.25000-01	897.00	.2452	.2039	.2368	.8520-02	.6978-02	.7389-02	4.988	45.51	578.4
102	70000	.10000+00	898.00	.2535	.2128	.2368	.9019-02	.7394-02	.8226-02	5.308	36.38	55.4
102	70000	.20000	899.00	.2081	.1709	.1918	.7231-02	.5937-02	.6663-02	4.290	26.19	570.7
102	70000	.30000	900.00	.1606	.1359	.1543	.5789-02	.4756-02	.5300-02	3.449	21.09	568.1
102	70000	.40000	901.00	.1530	.1257	.1417	.5317-02	.4367-02	.4923-02	3.163	19.88	569.1
102	70000	.60000	902.00	.1150	.1150	.1258	.4605-02	.3956-02	.4508-02	2.894	18.19	568.9
102	70000	.90000	903.00	.1047	.8540-01	.1009	.3639-02	.3002-02	.3505-02	2.219	15.87	554.0
102	75000	.00000	904.00	.2026	.1813	.1813	.7040-02	.5793-02	.6297-02	4.229	33.33	563.2
102	75000	.25000-01	905.00	.3252	.2652	.2807	.1130-01	.9213-02	.9750-02	6.454	50.11	592.8
102	75000	.50000-01	906.00	.3307	.2707	.2958	.1149-01	.9404-02	.1028-01	6.703	48.87	580.5
102	75000	.10000+00	907.00	.2639	.2374	.2643	.1007-01	.8248-02	.9181-02	5.896	40.34	578.5

(RVIL06)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(TAN) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTWOT DEG. R /SEC	TW DEG. R
102	.75000	.20000	908.00	.1983	.1628	.1828	.6888-02	.5655-02	.6351-02	4.087	28.08	570.5
102	.75000	.30000	909.00	.1653	.1359	.1528	.5743-02	.4721-02	.5310-02	3.431	21.60	566.5
102	.75000	.40000	910.00	.1472	.1209	.1361	.5114-02	.4200-02	.4729-02	3.039	19.65	569.8
102	.75000	.60000	911.00	.1342	.1103	.1244	.4663-02	.3833-02	.4323-02	2.784	18.58	566.9
102	.75000	.80000	912.00	.1133	.9330-01	.1072	.3938-02	.3240-02	.3722-02	2.365	19.32	563.4
102	.75000	.90000	913.00	.1090	.9010-01	.1050	.3788-02	.3128-02	.3648-02	2.323	16.91	550.8
102	.75000	.95000	914.00	.7530-01	.6220-01	.7300-01	.2615-02	.2160-02	.2535-02	1.608	12.12	548.8
102	.80000	.90000	915.00	.2635	.2150	.2345	.9156-02	.7468-02	.8147-02	5.239	47.49	591.7
102	.80000	.20000	916.00	.2001	.1644	.1847	.6953-02	.5711-02	.6415-02	4.134	28.41	569.4
102	.80000	.40000	917.00	.1487	.1220	.1373	.5165-02	.4239-02	.4769-02	3.057	21.66	572.2
102	.80000	.60000	918.00	.1092	.9000-01	.1050	.3793-02	.3128-02	.3649-02	2.308	16.76	545.4
102	.80000	.80000	919.00	.2939	.2450	.2671	.1042-01	.8512-02	.9280-02	6.014	46.84	586.7
102	.85000	.20000	920.00	.2040	.1675	.1878	.7087-02	.5819-02	.6524-02	4.208	29.84	570.2
102	.85000	.40000	921.00	.1648	.1352	.1520	.5726-02	.4696-02	.5280-02	3.375	24.69	574.5
102	.90000	.60000	922.00	.1667	.1372	.1491	.5792-02	.4766-02	.5180-02	2.479	27.41	563.3
102	.90000	.80000	923.00	.2154	.1771	.1974	.7485-02	.6153-02	.6857-02	4.472	32.84	566.4
102	.90000	.10000+00	924.00	.2069	.1693	.1900	.7188-02	.5900-02	.6602-02	4.260	30.20	571.3
102	.90000	.30000	925.00	.1951	.1609	.1806	.6811-02	.5590-02	.6276-02	4.032	28.59	571.9
102	.90000	.50000	926.00	.1622	.1330	.1497	.5633-02	.4621-02	.5200-02	3.326	23.55	573.6
102	.90000	.70000	927.00	.1248	.1027	.1178	.4335-02	.3568-02	.4091-02	2.610	20.22	561.8
102	.90000	.90000	928.00	.9190-01	.7590-01	.8260-01	.3193-02	.2633-02	.3075-02	1.942	15.36	555.8
102	.95000	.00000	929.00	.9040-01	.7493-01	.8120-01	.3141-02	.2602-02	.2820-02	1.958	14.57	510.6
102	.95000	.50000-01	930.00	.1529	.1263	.1378	.5313-02	.4387-02	.4766-02	3.257	23.32	550.9
102	.95000	.10000-00	931.00	.1672	.1378	.1525	.5808-02	.4786-02	.5299-02	3.518	25.94	558.2
102	.95000	.20000	932.00	.1832	.1507	.1688	.6363-02	.5235-02	.5853-02	3.820	26.33	563.6
102	.95000	.30000	933.00	.1650	.1520	.1707	.6427-02	.5279-02	.5930-02	3.824	27.14	568.9
102	.95000	.50000	934.00	.1313	.1080	.1215	.4562-02	.3751-02	.4220-02	2.731	20.07	565.3
102	.95000	.70000	935.00	.1427	.1173	.1331	.4956-02	.4076-02	.4625-02	2.967	22.17	565.3
102	.95000	.90000	936.00	.1438	.1185	.1366	.4994-02	.4115-02	.4746-02	3.024	22.30	558.4
102	.95000	.90000	937.00	.9310-01	.7690-01	.8970-01	.3235-02	.2671-02	.3117-02	1.982	14.91	551.2

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-1-9B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
79	7.990	2.477	40.07	.0000	180.0	543.8	.5600-01	1307.	94.90	2.509	3814.	.4964-04
80	7.990	2.489	40.06	.0000	180.0	545.8	.5600-01	1306.	94.90	2.519	3813.	.4985-04
81	7.990	2.496	40.11	.0000	180.0	545.9	.5600-01	1304.	94.70	2.519	3810.	.4994-04

RUN NUMBER	MU	LR-SEC /FT2	ST FR R =	HREF BTU/R
79	.7642-07		0.0175	
80	.7637-07		.2589-01	
81	.7624-07		.2583-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H1(TO) BTU/R FT2SEC	H1(TO) BTU/R FT2SEC	H1(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
81	.30000	.00000	845.00	.4400-01	.3650-01	.3950-01	.1718-02	.1425-02	.1544-02	1.089	12.16	539.5
81	.30000	.50000-01	846.00	.1398	.1147	.1257	.5451-02	.4474-02	.4903-02	3.256	35.69	576.1
81	.30000	.10000+00	847.00	.1256	.1034	.1137	.4899-02	.4031-02	.4435-02	2.965	25.10	568.2
81	.30000	.20000	848.00	.1184	.9750-01	.1082	.4616-02	.3804-02	.4219-02	2.818	20.06	562.9
81	.30000	.40000	850.00	.7250-01	.5860-01	.6670-01	.2628-02	.2324-02	.2601-02	1.701	12.05	571.9
81	.30000	.50000	851.00	.8000-01	.6550-01	.7410-01	.3119-02	.2563-02	.2889-02	1.862	13.61	576.3
81	.30000	.60000	852.00	.1037	.8510-01	.9600-01	.4044-02	.3319-02	.3744-02	2.412	17.62	576.9
81	.30000	.70000	853.00	.1506	.1235	.1366	.5872-02	.4817-02	.5444-02	3.495	24.69	578.2
81	.30000	.80000	854.00	.1880	.1542	.1752	.7330-02	.6015-02	.6834-02	4.370	31.92	577.2
81	.30000	.90000	855.00	.1189	.9830-01	.1137	.4636-02	.3835-02	.4433-02	2.892	21.07	549.5
81	.30000	.95000	856.00	.1213	.1004	.1171	.4729-02	.3915-02	.4568-02	2.968	21.31	545.8
81	.35000	.00000	857.00	.1177	.9720-01	.1055	.4592-02	.3792-02	.4116-02	2.836	24.15	555.8
81	.40000	.00000	858.00	.1679	.1376	.1498	.6549-02	.5365-02	.5843-02	3.870	38.44	582.5
81	.40000	.50000-01	859.00	.3310	.2701	.2915	.1291-01	.1053-01	.1137-01	7.465	52.30	595.1
81	.40000	.10000+00	860.00	.2357	.1929	.2126	.9190-02	.7523-02	.8291-02	5.406	38.05	585.2
81	.40000	.20000	861.00	.1466	.1203	.1349	.5716-02	.4691-02	.5260-02	3.412	24.93	576.5
81	.40000	.30000	862.00	.1289	.1058	.1194	.5029-02	.4125-02	.4655-02	2.992	21.13	578.4

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1106)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
81	.40000	.40000	863.00	.1200	.9840-01	.1111	.4678-02	.3836-02	.4332-02	2.780	20.98	579.2
81	.40000	.60000	864.00	.1647	.1352	.1522	.6424-02	.5273-02	.5935-02	3.838	25.50	575.9
81	.40000	.70000	865.00	.1997	.1639	.1849	.7787-02	.6391-02	.7210-02	4.649	30.88	576.4
81	.40000	.75000	866.00	.1752	.1440	.1630	.6834-02	.5616-02	.6355-02	4.109	30.09	572.1
81	.40000	.85000	867.00	.1617	.1333	.1530	.6305-02	.5197-02	.5966-02	3.856	28.86	561.8
81	.40000	.90000	868.00	.1412	.1165	.1360	.5508-02	.4545-02	.5305-02	3.390	28.84	558.0
81	.40000	.95000	869.00	.1361	.1124	.1321	.5308-02	.4384-02	.5153-02	3.286	26.48	554.3
81	.50000	.00000	871.00	.4721	.3821	.4182	.1841-01	.1490-01	.1631-01	10.19	80.96	620.1
81	.50000	.50000-01	872.00	.3386	.2757	.2993	.1320-01	.1075-01	.1167-01	7.550	56.36	601.6
81	.50000	.10000+00	873.00	.2129	.1745	.1937	.8303-02	.6804-02	.7555-02	4.913	35.81	581.6
81	.50000	.20000	874.00	.1527	.1254	.1408	.5954-02	.4890-02	.5493-02	3.567	25.25	574.3
81	.50000	.30000	875.00	.1217	.1000+00	.1125	.4746-02	.3838-02	.4388-02	2.846	20.15	573.6
81	.50000	.40000	876.00	.1135	.9310-01	.1050	.4425-02	.3632-02	.4095-02	2.644	18.70	576.0
81	.50000	.60000	877.00	.1320	.1084	.1223	.5148-02	.4226-02	.4769-02	3.074	21.06	575.3
81	.50000	.90000	878.00	.1186	.9790-01	.1103	.4626-02	.3816-02	.4301-02	2.844	22.07	558.5
81	.55000	.00000	879.00	.5993	.4733	.5227	.2333-01	.1846-01	.2039-01	11.52	92.38	679.7
81	.50000	.00000	880.00	.5740	.4553	.5022	.2238-01	.1775-01	.1959-01	11.19	97.52	673.4
81	.60000	.25000-01	881.00	.6920	.5457	.5830	.2560-01	.2128-01	.2274-01	13.88	101.2	651.4
81	.60000	.50000-01	882.00	.3808	.3073	.3357	.1485-01	.1198-01	.1309-01	8.099	75.26	627.9
81	.60000	.75000-01	883.00	.3844	.3117	.3460	.1499-01	.1216-01	.1349-01	6.388	60.17	613.8
81	.60000	.10000+00	884.00	.2844	.2322	.2594	.1109-01	.9054-02	.1012-01	6.423	45.02	594.3
81	.60000	.20000	885.00	.1861	.1526	.1720	.7259-02	.5953-02	.6707-02	4.313	30.45	579.2
81	.60000	.30000	886.00	.1666	.1365	.1539	.6496-02	.5325-02	.6001-02	3.850	25.52	580.7
81	.60000	.40000	887.00	.1451	.1189	.1339	.5660-02	.4637-02	.5222-02	3.346	22.85	582.3
81	.60000	.56000	888.00	.1346	.1104	.1246	.5249-02	.4304-02	.4658-02	3.118	21.32	579.4
81	.60000	.60000	889.00	.1314	.1079	.1218	.5126-02	.4207-02	.4748-02	3.060	20.96	576.5
81	.60000	.80000	891.00	.1150	.9470-01	.1098	.4486-02	.3692-02	.4243-02	2.721	19.97	566.9
81	.60000	.85000	892.00	.1284	.1038	.1221	.5009-02	.4127-02	.4761-02	3.057	22.12	562.9
81	.60000	.90000	893.00	.1126	.9250-01	.1087	.4389-02	.3622-02	.4237-02	2.702	20.26	557.9
81	.60000	.95000	894.00	.9270-01	.7660-01	.9000-01	.3615-02	.2988-02	.3510-02	2.246	16.90	552.0
81	.65000	.00000	895.00	.3514	.2843	.3112	.1370-01	.1109-01	.1214-01	7.578	62.52	620.3
81	.70000	.00000	896.00	.1573	.1286	.1402	.6135-02	.5017-02	.5468-02	3.588	45.99	588.5
81	.70000	.25000-01	897.00	.2518	.2061	.2182	.9821-02	.8037-02	.8511-02	5.767	52.42	586.1
81	.70000	.10000+00	898.00	.2569	.2101	.2340	.1002-01	.8192-02	.9125-02	5.860	39.90	588.4
81	.70000	.20000	899.00	.2146	.1758	.1975	.8367-02	.6854-02	.7702-02	4.942	29.99	582.8
81	.70000	.30000	900.00	.1731	.1420	.1602	.6752-02	.5539-02	.6247-02	4.019	24.45	578.1
81	.70000	.40000	901.00	.1560	.1279	.1443	.6083-02	.4988-02	.5627-02	3.612	22.59	579.6
81	.70000	.60000	902.00	.1494	.1255	.1383	.5627-02	.4778-02	.5395-02	3.460	21.63	579.6
81	.70000	.90000	903.00	.1441	.1187	.1388	.5621-02	.4628-02	.5412-02	3.418	24.30	565.3
81	.75000	.00000	904.00	.2111	.1736	.1887	.8232-02	.6769-02	.7361-02	4.966	38.99	570.2
81	.75000	.25000-01	905.00	.3257	.2650	.2905	.1270-01	.1034-01	.1094-01	7.238	55.91	603.4
81	.75000	.50000-01	906.00	.3307	.2700	.2954	.1290-01	.1053-01	.1152-01	7.485	54.24	593.0
81	.75000	.10000+00	907.00	.2860	.2335	.2603	.1115-01	.9105-02	.1015-01	6.461	43.87	594.1

(RV1L06)

AEDC VKF V41B-57A (OH-49B) COLLATION CHECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAK)	H(9T0) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAK) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
81	.75000	.20000	908.00	.1996	.1634	.1836	.7783-02	.6371-02	.7166-02	4.579	31.23	585.0
81	.75000	.30000	909.00	.1723	.1413	.1592	.6721-02	.5512-02	.6207-02	3.997	25.00	578.7
81	.75000	.40000	910.00	.1549	.1270	.1431	.6042-02	.4952-02	.5581-02	3.577	23.01	581.3
81	.75000	.60000	911.00	.1401	.1149	.1298	.5463-02	.4482-02	.5060-02	3.247	21.54	579.2
81	.75000	.80000	912.00	.1411	.1158	.1333	.5503-02	.4517-02	.5198-02	3.284	26.86	576.6
81	.75000	.90000	913.00	.1521	.1252	.1463	.5930-02	.4884-02	.5707-02	3.607	26.07	565.2
81	.75000	.95000	914.00	.1196	.9850-01	.1155	.4663-02	.3842-02	.4518-02	2.845	21.29	563.1
81	.80000	.00000	915.00	.2612	.2125	.2321	.1019-01	.8268-02	.9050-02	5.801	52.26	603.9
81	.80000	.20000	916.00	.2042	.1670	.1881	.7964-02	.6514-02	.7335-02	4.665	31.78	587.6
81	.80000	.40000	917.00	.1574	.1288	.1451	.6138-02	.5022-02	.5659-02	3.601	25.33	586.7
81	.80000	.60000	918.00	.1506	.1238	.1446	.5873-02	.4828-02	.5646-02	3.540	25.51	570.7
81	.85000	.00000	919.00	.2940	.2396	.2615	.1147-01	.9342-02	.1020-01	6.573	50.86	600.2
81	.85000	.20000	920.00	.2041	.1667	.1874	.7959-02	.6501-02	.7309-02	4.628	32.47	591.9
81	.85000	.40000	921.00	.1707	.1394	.1570	.6656-02	.5345-02	.6125-02	3.862	27.99	593.1
81	.90000	.00000	922.00	.1670	.1371	.1492	.6511-02	.5346-02	.5817-02	3.897	30.54	574.8
81	.90000	.20000	923.00	.2173	.1779	.1987	.8474-02	.6937-02	.7748-02	4.988	36.30	584.7
81	.90000	.40000	924.00	.2052	.1675	.1875	.8001-02	.6531-02	.7329-02	4.634	32.48	594.2
81	.90000	.60000	925.00	.2027	.1655	.1863	.7905-02	.6452-02	.7266-02	4.575	32.06	594.7
81	.90000	.80000	926.00	.1651	.1348	.1521	.6438-02	.5257-02	.5931-02	3.735	26.19	593.3
81	.90000	.00000	927.00	.1421	.1165	.1339	.5541-02	.4513-02	.5223-02	3.290	25.26	579.7
81	.90000	.20000	928.00	.1046	.8600-01	.1008	.4079-02	.3353-02	.3930-02	2.456	19.27	571.4
81	.95000	.00000	929.00	.9370-01	.7750-01	.8410-01	.3655-02	.3024-02	.3280-02	2.281	16.90	549.3
81	.95000	.50000-01	930.00	.1502	.1237	.1351	.5658-02	.4824-02	.5269-02	3.562	25.33	565.3
81	.95000	.10000-00	931.00	.1662	.1365	.1514	.6482-02	.5322-02	.5904-02	3.876	28.33	575.5
81	.95000	.20000	932.00	.1794	.1468	.1649	.6955-02	.5725-02	.6430-02	4.112	28.04	585.6
81	.95000	.30000	933.00	.1813	.1483	.1668	.7063-02	.5774-02	.6505-02	4.107	28.81	592.4
81	.95000	.50000	934.00	.1307	.1069	.1206	.5096-02	.4171-02	.4705-02	2.994	21.77	585.9
81	.95000	.70000	935.00	.1959	.1603	.1825	.7641-02	.6250-02	.7115-02	4.475	33.06	587.8
81	.95000	.80000	936.00	.2305	.1889	.2186	.8994-02	.7365-02	.8531-02	5.305	38.63	583.5
81	.95000	.90000	937.00	.1649	.1355	.1587	.6431-02	.5283-02	.6189-02	3.857	28.69	573.7

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) OFB TER LOWER WING

(RV1L06)

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 E.F.V/R = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
58	7.990	2.924	40.10	.0000	180.0	675.7	7000-01	1352.	98.20	3.118	3880.	.5960-04
59	7.990	2.951	40.13	.0000	180.0	676.3	7000-01	1345.	97.70	3.121	3869.	.5998-04
60	7.990	2.935	40.06	.0000	180.0	676.9	7000-01	1351.	98.10	3.124	3878.	.5979-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
58	.7908-07	.4367-01	0.0175
59	.7854-07	.4364-01	.2371-01
60	.7897-07	.4369-01	.2362-01
			.2367-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
60	.30000	.00000	845.00	.4340-01	.3600-01	.3900-01	.1897-02	.1574-02	.1705-02	1.251	13.85	556.1
60	.30000	.50000-01	846.00	.1378	.1130	.1239	.6020-02	.4938-02	.5414-02	3.711	40.22	599.1
60	.30000	.10000+00	847.00	.1256	.1033	.1137	.5487-02	.4514-02	.4968-02	3.437	28.80	589.1
60	.30000	.20230	848.00	.1213	.1000+00	.1109	.5299-02	.4368-02	.4845-02	3.358	23.68	581.8
60	.30000	.40000	850.00	.7580-01	.6230-01	.6980-01	.3314-02	.2723-02	.3049-02	2.065	14.49	592.2
60	.30000	.50000	851.00	.9330-01	.8150-01	.9200-01	.4339-02	.3561-02	.4020-02	2.683	19.41	597.0
60	.30000	.60000	852.00	.1496	.1227	.1385	.6538-02	.5360-02	.6052-02	4.017	28.99	601.1
60	.30000	.70000	853.00	.2125	.1739	.1968	.9283-02	.7595-02	.8539-02	5.643	39.29	607.6
60	.30000	.80000	854.00	.2613	.2136	.2433	.1142-01	.9334-02	.1063-01	6.905	49.61	610.7
60	.30000	.90000	855.00	.1522	.1256	.1455	.6650-02	.5490-02	.6357-02	4.249	30.54	576.6
60	.30000	.95000	856.00	.1476	.1220	.1425	.4449-02	.5329-02	.6228-02	4.146	29.37	572.6
60	.35000	.00000	857.00	.1018	.8410-01	.9130-01	.7182-02	.3675-02	.3968-02	2.852	24.07	574.3
60	.40000	.00000	858.00	.1644	.1346	.1466	.4449-02	.5880-02	.6404-02	4.380	43.01	605.6
60	.40000	.50000-01	859.00	.3370	.2747	.2956	.1472-01	.1200-01	.1296-01	8.766	60.66	620.2
60	.40000	.10000+00	860.00	.2417	.1976	.2180	.1056-01	.8636-02	.9525-02	6.399	44.51	609.6
60	.40000	.20000	861.00	.1517	.1244	.1396	.6627-02	.5434-02	.6098-02	4.079	29.46	599.9
60	.40000	.30000	862.00	.1425	.1168	.1319	.6226-02	.5103-02	.5762-02	3.822	26.69	601.6

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-49B) COLLATION: DECK

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(RV1L06)

OH-49B (AEDC V41B-57A) OPB TER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H19T0 BTU/R FT2SEC	H1T0 BTU/R FT2SEC	H1TAH BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTINDT DEG. R /SEC	TH DEG. R
60	40000	.40000	863.00	.1522	.1247	.1409	.6650-02	.5449-02	.6156-02	4.074	30.39	602.8
60	40000	.60000	864.00	.1888	.2127	.2304	.1007-01	.8250-02	.9296-02	6.177	40.52	601.8
60	40000	.70000	865.00	.2345	.2846	.2539	.1199-01	.9815-02	.1199-01	7.302	47.78	606.6
60	40000	.75000	866.00	.2432	.1993	.2260	.1062-01	.8709-02	.9873-02	6.522	47.06	601.7
60	40000	.80000	867.00	.2084	.1715	.1971	.9107-02	.7492-02	.8613-02	5.705	42.13	589.0
60	40000	.90000	868.00	.1827	.1505	.1760	.7984-02	.6574-02	.7688-02	5.027	42.19	585.8
60	40000	.95000	869.00	.1688	.1391	.1538	.7375-02	.6078-02	.7159-02	4.567	37.08	582.7
60	50000	.00000	871.00	.4752	.3838	.4203	.2076-01	.1677-01	.1836-01	11.78	92.34	648.1
60	50000	.50000-01	872.00	.3435	.2792	.3033	.1501-01	.1220-01	.1325-01	8.799	64.80	629.3
60	50000	.10000+00	873.00	.2207	.1806	.2007	.9544-02	.7893-02	.8771-02	5.872	42.27	606.6
60	50000	.20000	874.00	.1594	.1308	.1470	.6953-02	.5714-02	.6423-02	4.300	30.08	597.9
60	50000	.30000	875.00	.1366	.1121	.1263	.5957-02	.4898-02	.5517-02	3.691	25.84	596.9
60	50000	.40000	875.00	.1395	.1144	.1290	.6034-02	.4999-02	.5638-02	3.758	26.28	598.8
60	50000	.50000	877.00	.1792	.1469	.1659	.7830-02	.6418-02	.7251-02	4.805	32.50	601.8
60	50000	.60000	878.00	.1677	.1381	.1559	.7330-02	.6035-02	.6811-02	4.616	35.34	585.7
60	55000	.00000	879.00	.5859	.4614	.5103	.2560-01	.2016-01	.2230-01	12.82	101.1	714.7
60	60000	.00000	880.00	.5696	.4496	.4969	.2489-01	.1965-01	.2171-01	12.60	107.9	709.3
60	60000	.25000-01	881.00	.6864	.5468	.5950	.2999-01	.2389-01	.2556-01	15.86	113.7	686.5
60	60000	.50000-01	882.00	.3785	.3043	.3330	.1654-01	.1330-01	.1455-01	9.161	83.76	661.5
60	60000	.75000-01	883.00	.3057	.3118	.3467	.1685-01	.1363-01	.1515-01	9.506	67.86	645.5
60	60000	.10000+00	884.00	.2923	.2381	.2664	.1277-01	.1040-01	.1164-01	7.578	52.39	622.1
60	60000	.20000	885.00	.1904	.1560	.1759	.8321-02	.6816-02	.7686-02	5.089	35.50	603.9
60	60000	.30000	886.00	.1723	.1411	.1591	.7528-02	.6165-02	.6953-02	4.600	30.14	604.4
60	60000	.40000	887.00	.1529	.1253	.1411	.6680-02	.5473-02	.6164-02	4.089	27.64	603.4
60	60000	.50000	888.00	.1537	.1260	.1423	.6715-02	.5505-02	.6216-02	4.127	27.93	600.9
60	60000	.60000	893.00	.1557	.1278	.1442	.6804-02	.5582-02	.6303-02	4.200	28.46	598.1
60	60000	.80000	891.00	.1460	.1201	.1381	.6378-02	.5247-02	.6032-02	3.999	29.05	588.4
60	60000	.85000	892.00	.1620	.1334	.1540	.7078-02	.5829-02	.6729-02	4.463	31.93	585.0
60	60000	.90000	893.00	.1497	.1234	.1445	.6539-02	.5392-02	.6313-02	4.150	30.77	580.8
60	60000	.95000	894.00	.1284	.1061	.1247	.5611-02	.4634-02	.5449-02	3.594	26.73	574.9
60	65000	.00000	895.00	.3460	.2796	.3061	.1512-01	.1222-01	.1338-01	8.606	70.12	646.2
60	70000	.00000	896.00	.1588	.1298	.1415	.6939-02	.5673-02	.6182-02	4.203	53.31	609.7
60	70000	.25000-01	897.00	.2501	.2044	.2166	.1093-01	.8933-02	.9464-02	6.608	59.34	610.7
60	70000	.50000+00	899.00	.2559	.2088	.2359	.1118-01	.9125-02	.1018-01	6.695	44.95	616.9
60	70000	.75000	899.00	.2126	.1740	.1957	.9231-02	.7604-02	.8551-02	5.654	33.91	606.9
60	70000	.90000	900.00	.1810	.1484	.1675	.7058-02	.6484-02	.7317-02	4.863	29.26	600.5
60	70000	.95000	901.00	.1659	.1350	.1535	.7247-02	.5942-02	.6705-02	4.455	27.57	600.8
60	70000	.00000	902.00	.1624	.1332	.1504	.7055-02	.5819-02	.6571-02	4.368	27.04	599.8
60	70000	.20000	903.00	.2093	.1721	.2015	.9146-02	.7519-02	.8804-02	5.708	40.06	591.4
60	70000	.40000	903.00	.2154	.1770	.2033	.9410-02	.7735-02	.8411-02	5.870	45.60	591.7
60	75000	.00000	904.00	.3294	.2677	.2835	.1439-01	.1170-01	.1239-01	8.426	64.25	630.1
60	75000	.25000-01	905.00	.3300	.2688	.2944	.1442-01	.1175-01	.1239-01	8.553	61.10	622.3
60	75000	.50000-01	906.00	.2897	.2358	.2633	.1266-01	.1030-01	.1151-01	7.465	50.09	624.1

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RVIL06)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	OT4DOT DEG. R /SEC	TW DEG. R
60	.75000	.20000	908.00	.2076	.1696	.1910	.9070-02	.7413-02	.8348-02	5.480	36.89	611.3
60	.75000	.30000	909.00	.1783	.1461	.1647	.7790-02	.6386-02	.7195-02	4.783	29.59	601.5
60	.75000	.40000	910.00	.1583	.1297	.1463	.6917-02	.5669-02	.6391-02	4.241	26.99	602.4
60	.75000	.60000	911.00	.1515	.1242	.1403	.6618-02	.5429-02	.6130-02	4.081	26.81	598.8
60	.75000	.80000	912.00	.1866	.1763	.1763	.8155-02	.6687-02	.7702-02	5.018	40.26	600.1
60	.75000	.90000	913.00	.2231	.1835	.2147	.9750-02	.8019-02	.9383-02	6.098	43.53	590.0
60	.75000	.95000	914.00	.1891	.1555	.1832	.8261-02	.6795-02	.8003-02	5.173	38.20	589.2
60	.80000	.00000	915.00	.2686	.2182	.2384	.1173-01	.9533-02	.1042-01	6.863	61.03	630.6
60	.80000	.20000	916.00	.2177	.1777	.2003	.9513-02	.7764-02	.8754-02	5.704	38.32	615.9
60	.80000	.40000	917.00	.1653	.1352	.1525	.7224-02	.5929-02	.6662-02	4.383	30.50	608.7
60	.80000	.60000	918.00	.2199	.1805	.2113	.9606-02	.7885-02	.9234-02	5.942	42.27	597.0
60	.85000	.00000	919.00	.3092	.2517	.2747	.1351-01	.1100-01	.1200-01	7.977	60.98	625.1
60	.85000	.20000	920.00	.2163	.1763	.1985	.9449-02	.7705-02	.8672-02	5.636	39.02	619.1
60	.85000	.40000	921.00	.1831	.1494	.1685	.8000-02	.6529-02	.7361-02	4.795	34.36	616.1
60	.90000	.00000	922.00	.1723	.1416	.1540	.9513-02	.7764-02	.8754-02	5.474	36.46	592.1
60	.90000	.10000	923.00	.2223	.1819	.2032	.9715-02	.7546-02	.8881-02	5.893	42.37	608.9
60	.90000	.20000	924.00	.2126	.1733	.1946	.9228-02	.7571-02	.8504-02	5.530	38.27	620.0
60	.90000	.30000	925.00	.2075	.1692	.1907	.9069-02	.7395-02	.8333-02	5.412	37.48	618.7
60	.90000	.50000	926.00	.1790	.1461	.1649	.7820-02	.6383-02	.7205-02	4.694	32.56	615.2
60	.90000	.80000	927.00	.1975	.1617	.1851	.8628-02	.7067-02	.8131-02	5.274	40.01	604.2
60	.90000	.00000	928.00	.1617	.1327	.1568	.7064-02	.5799-02	.6806-02	4.370	33.87	596.8
60	.95000	.00000	929.00	.9710-01	.8040-01	.8720-01	.4241-02	.3514-02	.3809-02	2.770	20.39	562.2
60	.95000	.50000	930.00	.1550	.1278	.1395	.6772-02	.5583-02	.6096-02	4.293	30.27	581.7
60	.95000	.10000	931.00	.1679	.1372	.1522	.7297-02	.5993-02	.6648-02	4.527	32.78	595.1
60	.95000	.20000	932.00	.1678	.1537	.1727	.8206-02	.6716-02	.7544-02	4.996	33.71	606.7
60	.95000	.30000	933.00	.1928	.1513	.1756	.8337-02	.6803-02	.7674-02	5.011	34.78	614.4
60	.95000	.50000	934.00	.1351	.1106	.1248	.5903-02	.4832-02	.5451-02	3.597	25.90	606.2
60	.95000	.70000	935.00	.2772	.2263	.2580	.1211-01	.9889-02	.1127-01	7.281	53.10	614.2
60	.95000	.60000	936.00	.3348	.2734	.3174	.1463-01	.1195-01	.1327-01	8.808	63.19	613.4
60	.95000	.90000	937.00	.2522	.2048	.2427	.1102-01	.5038-02	.1060-01	6.787	49.85	599.6

AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) OPB.TER LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	P0 PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
40	8.000	3.332	40.05	.0000	190.0	760.6	.7800-01	1338.	97.00	3.490	3861.	.6739-04
41	8.000	3.313	40.10	.0000	180.0	759.9	.7800-01	1343.	97.30	3.487	3867.	.6712-04
42	8.000	3.334	40.11	.0000	180.0	759.7	.7800-01	1337.	96.90	3.486	3858.	.6740-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
40	.7809-07	.4611-01	0.0175
41	.7833-07	.4612-01	.2227-01
42	.7799-07	.4608-01	.2227-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
42	.30000	.50000	846.00	.1382	.1128	.1239	.6370-02	.5198-02	.5711-02	3.779	40.75	609.7
42	.30000	.10000-00	847.00	.1256	.1028	.1134	.5786-02	.4738-02	.5224-02	3.496	29.15	598.8
42	.30000	.20000	848.00	.1212	.9950-01	.1106	.5586-02	.4585-02	.5095-02	3.419	24.01	590.9
42	.30000	.40000	850.00	.9290-01	.7600-01	.8530-01	.4279-02	.3502-02	.3929-02	2.578	18.01	600.7
42	.30000	.50000	851.00	.1349	.1101	.1247	.6215-02	.5073-02	.5744-02	3.690	26.53	609.4
42	.30000	.60000	852.00	.2134	.1739	.1970	.9833-02	.8011-02	.9076-02	5.778	41.41	615.4
42	.30000	.70000	853.00	.2795	.2270	.2581	.1288-01	.1046-01	.1183-01	7.446	51.41	624.9
42	.30000	.80000	854.00	.2395	.2430	.2780	.7953-02	.6527-02	.7590-02	4.866	56.53	628.1
42	.30000	.90000	855.00	.1726	.1417	.1647	.7407-02	.6086-02	.7144-02	3.722	34.72	591.2
42	.30000	.00000	857.00	.1608	.1321	.1551	.4641-02	.3818-02	.4151-02	4.560	32.07	587.4
42	.30000	.00000	858.00	.1607	.2290-01	.1516	.7858-02	.6403-02	.6986-02	4.608	24.19	582.5
42	.30000	.00000	859.00	.1706	.1369	.1516	.1576-01	.1277-01	.1381-01	8.980	61.74	616.7
42	.30000	.00000	859.00	.3421	.2771	.2998	.1168-01	.9492-02	.1049-01	6.783	45.02	633.4
42	.40000	.50000-00	859.00	.2534	.2050	.2278	.7969-02	.6500-02	.7314-02	4.714	46.89	622.2
42	.40000	.10000-00	860.00	.1730	.1411	.1587	.8248-02	.6723-02	.7615-02	4.859	33.85	611.6
42	.40000	.20000	861.00	.1730	.1459	.1653	.9334-02	.7600-02	.8618-02	5.469	33.73	614.0
42	.40000	.30000	862.00	.1730	.1459	.1653						
42	.40000	.40000	863.00	.2026	.1649	.1870						

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL06)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
2	.40000	.60000	864.00	.3100	.2523	.2854	.1428-01	.1163-01	.1315-01	8.355	54.40	617.8
42	.40000	.70000	865.00	.3397	.2760	.3132	.1565-01	.1272-01	.1443-01	8.069	58.96	623.6
42	.40000	.75000	866.00	.3029	.2466	.2806	.1396-01	.1136-01	.1293-01	8.178	58.57	617.1
42	.40000	.85000	867.00	.2346	.1919	.2214	.1081-01	.8841-02	.1020-01	6.487	47.01	603.0
42	.40000	.90000	868.00	.2031	.1663	.1953	.9360-02	.7661-02	.9000-02	5.642	47.01	600.3
42	.40000	.95000	869.00	.1905	.1560	.1847	.8776-02	.7189-02	.8508-02	5.315	41.92	597.5
42	.50000	.00000	871.00	.4685	.3755	.4125	.2159-01	.1730-01	.1901-01	5.164	90.60	663.7
42	.50000	.00000-01	872.00	.3594	.2900	.3158	.1656-01	.1336-01	.1455-01	9.249	67.61	644.5
42	.50000	.10000+00	873.00	.2374	.1932	.2152	.1094-01	.8900-02	.9918-02	6.383	45.66	619.6
42	.50000	.20000	874.00	.1803	.1472	.1659	.8309-02	.6781-02	.7645-02	4.930	34.29	609.7
42	.50000	.30000	875.00	.1670	.1363	.1540	.7695-02	.6281-02	.7096-02	4.571	31.81	609.0
42	.50000	.40000	876.00	.1863	.1520	.1720	.8585-02	.7002-02	.7923-02	5.076	35.27	611.8
42	.50000	.50000	877.00	.2499	.2035	.2307	.1152-01	.9378-02	.1063-01	6.753	45.35	616.6
42	.50000	.60000	878.00	.1673	.1673	.1895	.9418-02	.7709-02	.8730-02	5.679	43.17	600.1
42	.60000	.00000	879.00	.5643	.4396	.4884	.2500-01	.2026-01	.2251-01	12.26	95.95	731.5
42	.60000	.00000	880.00	.5641	.4404	.4889	.2599-01	.2029-01	.2253-01	12.27	105.1	727.0
42	.60000	.00000-01	881.00	.6778	.5340	.5729	.3123-01	.2460-01	.2640-01	15.50	110.0	706.8
42	.60000	.50000-01	882.00	.3948	.3145	.3452	.1819-01	.1449-01	.1591-01	9.519	86.28	679.8
42	.60000	.75000-01	883.00	.4008	.3215	.3587	.1847-01	.1481-01	.1653-01	10.00	70.13	681.4
42	.60000	.10000+00	884.00	.3107	.2514	.2822	.1432-01	.1159-01	.1300-01	8.120	55.76	635.9
42	.60000	.20000	885.00	.2089	.1702	.1925	.9625-02	.7842-02	.8868-02	5.660	39.27	615.0
42	.60000	.30000	886.00	.1962	.1598	.1807	.9038-02	.7362-02	.8327-02	5.305	34.56	616.1
42	.60000	.40000	887.00	.1890	.1540	.1740	.8711-02	.7395-02	.8016-02	5.114	34.36	616.0
42	.60000	.50000	888.00	.1934	.1578	.1786	.8912-02	.7269-02	.8230-02	5.271	35.48	611.7
42	.60000	.60000	889.00	.1993	.1627	.1932	.9563-02	.7809-02	.8466-02	5.458	36.80	608.7
42	.60000	.70000	890.00	.2076	.1635	.1932	.8464-02	.6953-02	.8012-02	5.692	39.63	607.9
42	.60000	.80000	891.00	.1841	.1508	.1739	.9271-02	.7600-02	.8801-02	5.637	37.13	597.8
42	.60000	.90000	892.00	.2012	.1649	.1910	.8701-02	.7141-02	.8391-02	5.322	40.14	595.0
42	.60000	.95000	893.00	.1888	.1550	.1821	.7511-02	.6175-02	.7286-02	4.640	34.32	591.5
42	.60000	.00000	894.00	.1633	.1340	.1581	.1509-01	.1292-01	.1418-01	8.764	70.99	585.3
42	.60000	.00000	895.00	.3492	.2604	.3078	.7315-02	.5952-02	.6499-02	5.390	53.90	619.4
42	.70000	.25000-0	896.00	.1587	.1292	.1411	.1167-01	.9484-02	.1016-01	5.768	60.41	623.1
42	.70000	.10000+00	897.00	.2533	.2058	.2184	.1240-01	.1007-01	.1125-01	7.123	47.55	628.9
42	.70000	.20000	898.00	.2692	.2184	.2442	.1081-01	.8801-02	.9922-02	6.338	37.84	616.6
42	.70000	.30000	899.00	.2345	.1910	.2153	.9182-02	.7455-02	.8479-02	5.453	32.67	609.2
42	.70000	.40000	900.00	.1993	.1627	.1840	.8711-02	.7109-02	.8043-02	5.169	31.85	609.7
42	.70000	.50000	901.00	.1890	.1543	.1746	.8792-02	.7179-02	.8127-02	5.230	32.24	609.3
42	.70000	.60000	902.00	.1903	.1558	.1764	.1207-01	.9876-02	.1101-01	7.251	50.61	602.6
42	.70000	.70000	903.00	.2621	.2143	.2520	.9730-02	.7478-02	.8655-02	5.924	45.96	594.3
42	.75000	.00000	904.00	.2112	.1731	.1935	.1508-01	.1218-01	.1292-01	8.463	64.16	641.9
42	.75000	.25000-01	905.00	.3273	.2643	.2804	.1551-01	.1256-01	.1379-01	8.807	62.51	635.4
42	.75000	.50000-01	906.00	.3367	.2725	.2952	.1419-01	.1148-01	.1296-01	8.049	53.56	635.7
42	.75000	.10000+00	907.00	.3079	.2492	.2790						

(RVJ106)

AEDC V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
42	75000	20000	908.00	.2275	.1851	.2030	.1048-01	.8530-02	.8628-02	6.117	41.02	619.6
42	75000	30000	909.00	.1968	.1622	.1832	.9159-02	.7475-02	.8442-02	5.435	33.48	609.7
42	75000	40000	910.00	.1778	.1447	.1635	.8173-02	.6669-02	.7536-02	4.844	30.71	610.5
42	75000	50000	911.00	.1778	.1453	.1644	.8173-02	.6669-02	.7536-02	4.893	32.03	605.7
42	75000	60000	912.00	.2461	.2008	.2370	.1134-01	.9251-02	.1069-01	6.711	53.56	611.3
42	75000	70000	913.00	.2780	.2276	.2672	.1281-01	.1049-01	.1231-01	7.738	54.99	599.0
42	75000	80000	914.00	.2280	.1867	.2207	.1050-01	.8305-02	.1017-01	6.362	46.78	587.4
42	80000	90000	915.00	.2704	.2184	.2352	.1246-01	.1007-01	.1102-01	7.003	61.97	641.0
42	80000	10000	916.00	.2348	.1907	.2176	.1082-01	.8788-02	.9934-02	6.255	41.83	625.1
42	80000	11000	917.00	.1840	.1499	.1693	.8479-02	.6905-02	.7802-02	4.974	34.49	616.4
42	80000	12000	918.00	.2839	.2319	.2726	.1309-01	.1068-01	.1255-01	7.795	55.17	607.2
42	85000	13000	919.00	.3085	.2499	.2734	.1422-01	.1151-01	.1261-01	8.099	61.66	633.4
42	85000	14000	920.00	.2361	.1917	.2162	.1088-01	.8831-02	.9964-02	6.267	43.22	627.1
42	85000	15000	921.00	.2041	.1658	.1874	.9403-02	.7641-02	.8635-02	5.450	38.91	623.5
42	90000	16000	922.00	.1731	.1419	.1545	.7977-02	.6538-02	.7119-02	4.844	37.56	595.9
42	90000	17000	923.00	.2487	.2026	.2208	.146-01	.9333-02	.1045-01	6.724	48.17	616.3
42	90000	18000	924.00	.2283	.1853	.2035	.1082-01	.8537-02	.9611-02	6.054	41.74	627.6
42	90000	19000	925.00	.2204	.1789	.2031	.1016-01	.8245-02	.9312-02	5.857	40.41	626.4
42	90000	20000	926.00	.2012	.1636	.1850	.9272-02	.7540-02	.8526-02	5.396	37.33	621.1
42	90000	21000	927.00	.3039	.2472	.2857	.1400-01	.1139-01	.1316-01	8.172	61.53	619.5
42	90000	22000	928.00	.2593	.2115	.2375	.1195-01	.9747-02	.1149-01	7.073	54.43	611.1
42	95000	23000	929.00	.9690-01	.8010-01	.6030-01	.4463-02	.3692-02	.4005-02	2.857	21.02	562.9
42	95000	24000	930.00	.1573	.1294	.1414	.7249-02	.5961-02	.6514-02	4.483	31.57	584.7
42	95000	25000	931.00	.1768	.1448	.1639	.817-02	.6671-02	.7410-02	4.921	35.56	599.0
42	95000	26000	932.00	.2023	.1650	.1850	.9321-02	.7602-02	.8554-02	5.509	37.08	612.1
42	95000	27000	933.00	.2072	.1686	.1934	.9549-02	.7768-02	.8773-02	5.569	38.54	619.9
42	95000	28000	934.00	.1562	.1275	.1440	.7197-02	.5873-02	.6635-02	4.267	30.66	610.2
42	95000	29000	935.00	.3365	.2734	.3126	.1551-01	.1200-01	.1440-01	8.984	65.23	623.7
42	95000	30000	936.00	.3716	.3022	.3518	.1712-01	.1392-01	.1621-01	9.967	71.24	621.0
42	95000	31000	937.00	.2734	.2235	.2638	.1260-01	.1730-01	.1211-01	7.545	55.30	604.2

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1106)

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V F7/SEC	RHO SLUGS /FT3
16	8.000	3.693	40.11	.0000	180.0	862.5	.8800-01	1359.	98.50	3.958	3890.	.7527-04
17	8.000	3.708	40.11	.0000	180.0	860.6	.8800-01	1353.	98.10	3.949	3882.	.7542-04
18	8.000	3.710	40.13	.0000	180.0	860.4	.8800-01	1353.	98.00	3.948	3881.	.7543-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
16	.7929-07	.4924-01	0.0175
17	.7895-07	.4915-01	.2111-01
18	.7892-07	.4914-01	.2108-01
			.2107-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	OTWDT DEG. R /SEC	TW DEG. R
18	.30000	.00000	845.00	.4360-01	.3610-01	.3920-01	.2142-02	.1775-02	.1924-02	1.402	15.46	563.1
18	.30000	.50000-01	846.00	.1361	.1112	.1221	.6689-02	.5464-02	.6000-02	4.038	43.45	613.8
18	.30000	.10000+00	847.00	.1219	.1000+00	.1131	.5991-02	.4912-02	.512-02	3.688	30.70	601.9
18	.30000	.20000	848.00	.1220	.1002	.1113	.5994-02	.4925-02	.5470-02	3.735	26.18	594.4
18	.30000	.40000	850.00	.9870-01	.8080-01	.9050-01	.4848-02	.3970-02	.4452-02	2.964	20.65	606.2
18	.30000	.50000	851.00	.1640	.1338	.1515	.6058-02	.6576-02	.7446-02	4.836	34.63	617.3
18	.30000	.60000	852.00	.2483	.2022	.2231	.1220-01	.9925-02	.1126-01	7.243	51.71	623.7
18	.30000	.70000	853.00	.3164	.2568	.2920	.1555-01	.1292-01	.1435-01	9.053	62.25	634.7
18	.30000	.80000	854.00	.3307	.2682	.3059	.1625-01	.1318-01	.1508-01	9.432	66.90	637.1
18	.30000	.90000	855.00	.1853	.1522	.1759	.9108-02	.7479-02	.8682-02	5.657	40.35	596.4
18	.30000	.95000	856.00	.1665	.1369	.1636	.8182-02	.6728-02	.7892-02	5.120	35.93	591.7
18	.30000	.00000	857.00	.1070	.0820-01	.9530-01	.5257-02	.4333-02	.4708-02	3.334	28.01	583.3
18	.40000	.00000	858.00	.1729	.1408	.1537	.8484-02	.6921-02	.7554-02	5.054	49.23	622.4
18	.40000	.50000-01	859.00	.3447	.2792	.3020	.1694-01	.1372-01	.1484-01	9.767	66.92	640.8
18	.40000	.10000+00	860.00	.2579	.2097	.2318	.1267-01	.1030-01	.1139-01	7.455	51.36	629.1
18	.40000	.20000	861.00	.1827	.1491	.1677	.8979-02	.7325-02	.8240-02	5.378	38.49	618.5
18	.40000	.30000	862.00	.2097	.1709	.1935	.1030-01	.8396-02	.9510-02	6.133	42.40	622.2

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RV1L06)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
18	.40000	.40000	863.00	.2459	.2001	.2270	.1208-01	.9835-02	.1115-01	7.149	52.74	625.8
18	.40000	.60000	864.00	.3594	.2924	.3308	.1766-01	.1437-01	.1625-01	10.43	67.60	626.8
18	.40000	.70000	865.00	.3642	.2958	.3337	.1790-01	.1453-01	.1650-01	10.47	67.63	632.7
18	.40000	.75000	866.00	.3405	.2609	.2959	.1575-01	.1282-01	.1459-01	9.327	66.54	625.1
18	.40000	.85000	867.00	.2532	.2071	.2330	.1244-01	.1018-01	.1174-01	7.561	55.27	609.7
18	.40000	.90000	868.00	.2145	.1756	.2032	.1054-01	.8627-02	.1013-01	6.434	53.43	606.9
18	.40000	.95000	869.00	.2003	.1641	.1942	.9844-02	.8066-02	.9543-02	6.040	47.49	603.9
18	.50000	.00000	871.00	.4715	.3780	.4153	.2317-01	.1858-01	.2041-01	12.68	98.32	670.3
18	.50000	.50000-01	872.00	.3646	.2943	.3205	.1792-01	.1446-01	.1575-01	10.13	73.80	652.0
18	.50000	.10000+00	873.00	.2034	.1659	.1846	.9993-02	.8154-02	.9072-02	5.994	42.91	617.7
18	.50000	.20000	874.00	.1936	.1580	.1731	.9513-02	.7766-02	.8753-02	5.720	39.66	616.2
18	.50000	.30000	875.00	.1931	.1576	.1730	.9428-02	.7746-02	.8749-02	5.709	39.60	615.7
18	.50000	.40000	876.00	.2210	.1803	.2040	.1086-01	.8859-02	.1002-01	6.497	44.98	619.3
18	.50000	.50000	877.00	.3072	.2500	.2835	.1509-01	.1228-01	.1393-01	8.930	59.79	625.8
18	.50000	.60000	878.00	.2249	.1841	.2035	.1105-01	.9046-02	.1024-01	6.743	51.07	607.4
18	.50000	.70000	879.00	.5681	.4422	.4915	.2792-01	.2173-01	.2415-01	13.26	103.3	742.4
18	.60000	.00000	880.00	.5655	.4409	.4837	.2779-01	.2166-01	.2406-01	13.30	112.4	738.9
18	.60000	.25000-01	881.00	.6755	.5313	.5702	.3320-01	.2611-01	.2802-01	16.54	116.8	719.1
18	.60000	.50000-01	882.00	.4072	.3239	.3558	.2001-01	.1592-01	.1748-01	10.53	94.91	691.3
18	.60000	.75000-01	883.00	.4156	.3330	.3717	.2042-01	.1636-01	.1826-01	11.13	77.65	672.3
18	.60000	.10000+00	884.00	.3226	.2610	.2929	.1585-01	.1282-01	.1439-01	9.087	62.15	644.2
18	.60000	.20000	885.00	.2200	.1792	.2027	.1081-01	.8807-02	.9458-02	6.434	44.49	622.1
18	.60000	.30000	886.00	.2189	.1783	.2016	.1076-01	.8760-02	.9408-02	6.387	41.45	623.7
18	.60000	.40000	887.00	.2171	.1768	.1998	.1067-01	.8689-02	.9817-02	6.333	42.38	623.8
18	.60000	.50000	888.00	.2193	.1789	.2025	.1078-01	.8792-02	.9952-02	6.458	43.33	618.3
18	.60000	.60000	889.00	.2173	.1766	.2025	.1129-01	.9221-02	.1044-01	6.803	45.72	615.0
18	.60000	.70000	890.00	.2447	.1999	.2277	.1203-01	.9821-02	.1119-01	7.248	50.29	614.7
18	.60000	.80000	891.00	.2133	.1747	.2014	.1049-01	.8586-02	.9895-02	6.430	46.35	603.8
18	.60000	.90000	892.00	.2308	.1892	.2131	.1134-01	.9297-02	.1076-01	6.982	49.55	601.8
18	.60000	.95000	893.00	.2165	.1777	.2038	.1054-01	.8733-02	.1026-01	6.584	48.39	598.8
18	.60000	.00000	894.00	.1863	.1531	.1807	.9153-02	.7526-02	.8878-02	5.725	42.21	592.0
18	.60000	.00000	895.00	.3471	.2788	.3051	.1705-01	.1370-01	.1504-01	9.421	76.07	665.0
18	.70000	.00000	896.00	.1619	.1318	.1435	.7956-02	.6476-02	.7042-02	4.711	59.30	625.3
18	.70000	.25000-01	897.00	.2558	.2078	.2205	.1257-01	.1021-01	.1084-01	7.374	65.58	630.7
18	.70000	.10000+00	898.00	.2847	.2309	.2532	.1399-01	.1134-01	.1269-01	8.114	53.94	637.5
18	.70000	.20000	899.00	.2489	.2026	.2295	.1223-01	.9558-02	.1123-01	7.251	43.12	624.5
18	.70000	.30000	900.00	.2180	.1749	.2013	.1071-01	.8744-02	.9890-02	6.439	38.44	616.3
18	.70000	.40000	901.00	.2133	.1742	.1970	.1048-01	.8558-02	.9679-02	6.304	38.71	616.1
18	.70000	.50000	902.00	.2219	.1812	.2051	.1090-01	.8905-02	.1048-01	6.575	40.41	614.4
18	.70000	.60000	903.00	.2752	.2252	.2646	.1353-01	.1107-01	.1300-01	8.235	57.31	608.6
18	.70000	.70000	904.00	.2478	.2025	.2278	.1218-01	.9951-02	.1085-01	7.353	56.62	612.8
18	.75000	.00000	905.00	.3343	.2699	.2852	.1643-01	.1325-01	.1407-01	9.308	70.27	650.8
18	.75000	.25000-01	906.00	.3439	.2781	.3054	.1690-01	.1367-01	.1501-01	9.672	68.34	645.1

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L06)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAK)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
18	.75000	.10000+00	907.00	.3226	.2609	.2922	.1585-01	.1282-01	.1436-01	9.060	59.99	645.9
18	.75000	.20000	908.00	.2412	.1962	.2215	.1185-01	.0964-02	.1088-01	6.991	46.69	627.7
18	.75000	.30000	909.00	.2170	.1771	.2000	.1066-01	.0703-02	.0827-02	6.403	39.31	617.0
18	.75000	.40000	910.00	.2045	.1669	.1835	.1005-01	.0199-02	.0263-02	6.030	38.10	617.3
18	.75000	.50000	911.00	.2013	.1545	.1851	.0991-02	.0085-02	.0145-02	5.992	39.11	611.7
18	.75000	.60000	912.00	.2761	.2251	.2602	.1356-01	.1106-01	.1279-01	8.113	64.49	619.4
18	.75000	.70000	913.00	.2954	.2428	.2845	.1457-01	.1193-01	.1400-01	8.922	63.23	604.9
18	.75000	.80000	914.00	.2359	.1933	.2233	.1159-01	.0950-02	.1122-01	7.121	52.22	603.2
18	.80000	.90000	915.00	.2722	.2198	.2406	.1337-01	.1030-01	.1183-01	7.597	66.95	649.5
18	.80000	.00000	916.00	.2456	.1996	.2235	.1207-01	.0807-02	.1108-01	7.077	47.19	631.1
18	.80000	.10000	917.00	.2025	.1649	.1853	.0948-02	.0101-02	.0153-02	5.904	40.78	624.0
18	.80000	.20000	918.00	.3067	.2505	.2914	.1507-01	.1231-01	.1447-01	9.090	64.12	614.2
18	.85000	.30000	919.00	.3113	.2522	.2755	.1529-01	.1239-01	.1356-01	8.827	66.97	640.3
18	.85000	.40000	920.00	.2523	.2047	.2310	.1240-01	.1006-01	.1135-01	7.214	49.55	635.6
18	.85000	.50000	921.00	.2261	.1836	.2076	.1111-01	.0924-02	.1020-01	6.497	46.17	632.8
18	.90000	.60000	922.00	.1741	.1428	.1535	.0554-02	.0109-02	.0639-02	5.290	40.96	599.0
13	.90000	.70000	923.00	.2547	.2075	.2323	.1252-01	.1020-01	.1142-01	7.438	53.11	623.3
18	.90000	.80000	924.00	.2508	.2034	.2290	.1232-01	.0993-02	.1145-01	7.149	49.06	637.3
18	.90000	.90000	925.00	.2505	.2032	.2257	.1231-01	.0986-02	.1128-01	7.156	49.14	636.2
18	.90000	.00000	926.00	.2253	.1831	.2071	.1107-01	.0995-02	.1018-01	6.496	44.72	630.6
18	.90000	.10000	927.00	.4049	.3284	.3803	.1590-01	.1614-01	.1859-01	11.55	86.27	636.8
18	.90000	.20000	928.00	.3178	.2589	.3055	.1562-01	.1272-01	.1532-01	9.294	71.13	622.3
18	.95000	.30000	929.00	.9970-01	.8260-01	.8950-01	.4897-02	.4058-02	.4399-02	3.204	23.56	563.2
18	.95000	.40000	930.00	.1635	.1346	.1470	.8035-02	.6614-02	.7225-02	5.060	35.58	587.8
18	.95000	.50000	931.00	.1651	.1525	.1693	.9147-02	.7493-02	.8320-02	5.607	40.41	604.4
18	.95000	.60000	932.00	.2176	.1774	.1936	.1039-01	.0718-02	.0910-02	6.388	42.83	620.0
18	.95000	.70000	933.00	.2244	.1825	.2051	.1103-01	.0866-02	.1013-01	6.484	44.67	629.5
18	.95000	.80000	934.00	.1753	.1430	.1616	.0614-02	.0208-02	.0741-02	5.152	36.95	618.2
18	.95000	.90000	935.00	.3876	.3144	.3536	.1905-01	.1545-01	.1768-01	11.07	79.85	636.4
18	.95000	.00000	936.00	.3992	.3246	.3775	.1962-01	.1595-01	.1857-01	11.55	82.26	628.6
18	.95000	.10000	937.00	.2792	.2284	.2654	.1372-01	.1122-01	.1319-01	8.342	60.98	609.4

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL07)

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = -2.000 ELEVTR = .0000 SPDRBK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PC PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
184	7.900	.5375	40.09	2.000	158.0	109.5	.1200-01	1269.	94.10	.5320	3756.	.1085-04
185	7.900	.5382	40.07	2.000	158.0	109.7	.1200-01	1269.	94.20	.5330	3756.	.1086-04
186	7.900	.5356	40.09	2.000	158.0	109.2	.1200-01	1270.	94.20	.5300	3757.	.1081-04

RUN NUMBER	MU	HREF BTU/ R FT ² SEC	ST FR R =
184	7.578-07	.1783-01	0.0175
185	7.580-07	.1785-01	.5518-01
186	7.582-07	.1781-01	.5531-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(1AW) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTNOT DEG. R /SEC	TH DEG. R
186	.30000	.00000	845.00	.4860-01	.4030-01	.4370-01	.8661-03	.7171-03	.7775-03	.5290	5.930	531.9
185	.30000	.50000-01	846.00	.1617	.1333	.1458	.2880-02	.2375-02	.2597-02	.5290	19.13	545.8
185	.30000	.10000-00	847.00	.1563	.1299	.1417	.2783-02	.2295-02	.2523-02	1.666	14.28	543.9
186	.30000	.20000	848.00	.1297	.1071	.1127	.2310-02	.1907-02	.2113-02	1.389	9.994	541.5
186	.30000	.40000	850.00	.6760-01	.7230-01	.8030-01	.1560-02	.1288-02	.1438-02	.9350	6.718	543.8
185	.30000	.50000	851.00	.7350-01	.6040-01	.6300-01	.1304-02	.1075-02	.1211-02	.7810	5.801	543.9
185	.30000	.60000	852.00	.6890-01	.5690-01	.6390-01	.1226-02	.1012-02	.1138-02	.7370	5.475	542.2
185	.30000	.70000	853.00	.6300-01	.5200-01	.5850-01	.1122-07	.9263-03	.1043-02	.6750	4.853	540.5
185	.30000	.80000	854.00	.6430-01	.5310-01	.6010-01	.1145-02	.9462-03	.1071-02	.6920	4.150	538.7
185	.30000	.90000	855.00	.4170-01	.3460-01	.3950-01	.7432-03	.6156-03	.7110-03	.4550	3.349	530.1
185	.35000	.00000	857.00	.4420-01	.3670-01	.4270-01	.7875-03	.6527-03	.7609-03	.4840	3.508	527.9
185	.40000	.00000	859.00	.1122	.9270-01	.1006	.1593-02	.1650-02	.1791-02	1.201	10.31	541.6
185	.40000	.00000	859.00	.1859	.1530	.1633	.3310-02	.2724-02	.2961-02	1.954	19.71	552.3
196	.40000	.50000-01	859.00	.3527	.2923	.3210	.6459-02	.5312-02	.5717-02	3.797	27.14	554.9
186	.40000	.10000-00	860.00	.2528	.2083	.2235	.4532-02	.3709-02	.4076-02	2.674	19.18	548.6
186	.40000	.20000	861.00	.1477	.1218	.1352	.2630-02	.2170-02	.2426-02	1.572	11.67	545.1
186	.40000	.30000	862.00	.1203	.9930-01	.1116	.2142-02	.1767-02	.1988-02	1.263	9.218	544.0

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL07)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(9TO) BTU/ R FT2SEC	H(10J) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	QOOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
186	40000	40000	863.00	.1050	.8673-01	.9750-01	.1670-02	.1544-02	.1736-02	1.122	9.624	542.8
186	40000	60000	854.00	.9090-01	.7510-01	.8420-01	.1618-02	.1337-02	.1500-02	1.970	3.615	538.8
186	40000	70000	865.00	.9470-01	.7820-01	.8730-01	.1685-02	.1393-02	.1565-02	1.018	6.890	538.9
186	40000	75000	866.00	.8050-01	.6680-01	.7540-01	.1440-02	.1190-02	.1342-02	.8720	6.499	537.1
186	40000	85000	867.00	.7180-01	.5940-01	.6800-01	.1279-02	.1058-02	.1211-02	.7790	5.917	533.3
186	40000	90000	868.00	.5320-01	.4900-01	.5710-01	.1054-02	.8731-03	.1016-02	.6450	5.560	531.2
186	40000	95000	869.00	.5110-01	.4230-01	.4950-01	.9092-03	.7533-03	.8932-03	5.580	4.555	529.0
186	50000	00000	871.00	.5107	.4181	.4534	.9094-02	.7446-02	.8110-02	5.215	4.249	569.3
186	50000	50000-01	872.00	.3794	.3120	.3374	.6755-02	.5556-02	.6009-02	3.975	30.38	554.3
186	50000	10000+00	873.00	.2333	.1925	.2140	.4155-02	.3427-02	.3793-02	2.485	18.45	544.5
186	50000	20000	874.00	.1614	.1333	.1433	.2875-02	.2374-02	.2659-02	1.729	12.45	541.2
186	50000	30000	875.00	.1245	.1038	.1133	.2216-02	.1831-02	.2054-02	1.336	9.623	539.8
186	50000	40000	876.00	.1104	.9120-01	.1024	.1966-02	.1624-02	.1824-02	1.185	8.535	539.9
186	50000	60000	877.00	.9210-01	.7610-01	.8530-01	.1639-02	.1355-02	.1523-02	.9900	3.908	539.0
186	50000	90000	878.00	.6050-01	.5010-01	.5640-01	.1078-02	.8929-03	.1004-02	.6610	5.200	530.0
186	50000	00000	879.00	.5196	.5196	.5633	.1142-01	.9252-02	.1012-01	6.185	10.12	601.2
186	60000	00000	880.00	.4714	.4656	.5037	.1021-01	.8291-02	.9059-02	5.606	50.78	593.5
186	60000	25000-01	881.00	.6738	.5549	.5835	.1211-01	.9882-02	.1050-01	6.829	51.56	578.6
186	60000	50000-01	882.00	.3768	.3089	.3334	.6709-02	.5501-02	.5972-02	3.878	564.6	556.5
186	60000	75000-01	883.00	.3284	.3193	.3512	.6917-02	.5686-02	.6271-02	4.055	29.92	556.5
186	60000	10000+00	884.00	.2963	.2443	.2715	.5276-02	.4350-02	.4835-02	3.147	22.59	546.3
186	60000	20000	885.00	.1831	.1513	.1637	.3261-02	.2694-02	.3022-02	1.967	14.17	539.4
186	60000	30000	886.00	.1645	.1359	.1525	.2929-02	.2420-02	.2715-02	1.768	11.96	539.2
186	60000	40000	887.00	.1420	.1181	.1234	.2546-02	.2103-02	.2357-02	1.535	10.71	539.8
186	60000	50000	888.00	.1292	.1068	.1200	.2300-02	.1901-02	.2136-02	1.391	9.713	538.1
186	60000	60000	889.00	.1167	.9450-01	.1034	.2078-02	.1714-02	.1931-02	1.260	8.808	536.3
186	60000	70000	890.00	.7480-01	.6190-01	.7030-01	.1332-02	.1103-02	.1262-02	.8130	6.073	532.5
186	60000	85000	891.00	.6330-01	.5260-01	.6120-01	.1518-02	.1257-02	.1446-02	.9290	6.829	531.0
186	60000	90000	892.00	.6330-01	.5320-01	.7370-01	.1359-02	.1126-02	.1313-02	.8350	6.359	528.2
186	60000	95000	893.00	.5910-01	.4910-01	.5750-01	.1053-02	.3735-03	.1023-02	.6500	4.958	525.2
186	65000	00000	894.00	.3322	.2723	.2534	.5915-02	.4848-02	.5278-02	3.413	28.93	565.7
186	65000	00000	895.00	.1511	.1244	.1352	.2691-02	.2216-02	.2429-02	1.593	20.81	550.8
186	70000	25000-01	896.00	.2473	.2038	.2154	.4404-02	.3529-02	.3837-02	2.620	24.28	547.8
186	70000	40000+00	897.00	.2685	.2317	.2458	.4783-02	.3317-02	.4377-02	2.368	19.58	543.0
186	70000	50000	898.00	.2164	.1788	.1933	.3853-02	.3184-02	.3560-02	2.328	14.45	538.5
186	70000	60000	899.00	.1449	.1293	.1451	.3121-02	.2581-02	.2857-02	1.895	11.78	535.3
186	70000	70000	900.00	.1563	.1293	.1451	.2783-02	.2302-02	.2584-02	1.690	10.81	535.2
186	70000	80000	901.00	.1374	.1136	.1277	.2445-02	.2024-02	.2273-02	1.487	9.513	534.7
186	70000	90000	902.00	.8170-01	.6770-01	.7890-01	.1455-02	.1206-02	.1403-02	.8950	6.487	527.7
186	75000	00000	903.00	.1081	.8960-01	.9720-01	.1926-02	.1596-02	.1730-02	1.185	9.506	527.5
186	75000	25000-01	904.00	.3265	.2684	.2834	.5814-02	.4779-02	.5047-02	3.408	26.94	556.7
186	75000	50000-01	905.00	.3475	.2864	.3121	.6188-02	.5100-02	.5558-02	3.682	27.29	547.7
186	75000	10000+00	906.00	.2946	.2430	.2695	.5246-02	.4327-02	.4799-02	3.138	21.84	544.5

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OH-498 (AEDC V41B-57A) OFBITER L'HER WING

(RVIL07)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAK)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
185	.75000	.20000	908.00	.2017	.1667	.1866	.3592-02	.2969-02	.3322-02	2.174	15.18	537.6
186	.75000	.30000	909.00	.1732	.1433	.1606	.3085-02	.2552-02	.2860-02	1.877	12.01	534.1
186	.75000	.40000	910.00	.1505	.1245	.1396	.2681-02	.2218-02	.2486-02	1.630	10.73	534.7
186	.75000	.60000	911.00	.1349	.1117	.1254	.2402-02	.1988-02	.2233-02	1.466	9.955	532.4
186	.75000	.80000	912.00	.9130-01	.7560-01	.8650-01	.1626-02	.1346-02	.1540-02	.9950	8.268	530.6
186	.75000	.90000	913.00	.8410-01	.6970-01	.8110-01	.1497-02	.1242-02	.1443-02	.3240	6.810	525.9
186	.75000	.95000	914.00	.6140-01	.5100-01	.5560-01	.1094-02	.9075-03	.1061-02	.6770	5.162	524.1
185	.80000	.00000	915.00	.2708	.2225	.2421	.4823-02	.3964-02	.4311-02	2.825	26.05	557.0
186	.80000	.20000	916.00	.2226	.1941	.2060	.3963-02	.3278-02	.3668-02	2.406	16.83	535.6
186	.80000	.40000	917.00	.1524	.1261	.1412	.2714-02	.2245-02	.2514-02	1.650	11.91	534.8
186	.80000	.60000	918.00	.9170-01	.7610-01	.8840-01	.1634-02	.1354-02	.1574-02	1.006	7.411	527.0
186	.85000	.00000	919.00	.3121	.2566	.2790	.5557-02	.4569-02	.4968-02	3.265	25.83	555.2
186	.85000	.20000	920.00	.2189	.1809	.2021	.3838-02	.3222-02	.3599-02	2.359	17.01	537.4
186	.85000	.40000	921.00	.1667	.1379	.1543	.2969-02	.2455-02	.2747-02	1.802	13.43	535.9
186	.90000	.00000	922.00	.1813	.1496	.1625	.3228-02	.2665-02	.2893-02	1.939	15.44	542.1
185	.90000	.10000+00	923.00	.2365	.1954	.2172	.4211-02	.3480-02	.3658-02	2.543	18.93	538.9
186	.90000	.20000	924.00	.2184	.1805	.2012	.3890-02	.3215-02	.3584-02	2.352	16.95	538.0
186	.90000	.30000	925.00	.1966	.1625	.1817	.3501-02	.2893-02	.3236-02	2.116	15.25	538.3
186	.90000	.50000	926.00	.1645	.1351	.1524	.2930-02	.2424-02	.2715-02	1.783	12.88	534.1
186	.90000	.80000	927.00	.1120	.9280-01	.1059	.1995-02	.1653-02	.1887-02	1.224	9.635	529.4
185	.95000	.90000	928.00	.8760-01	.7260-01	.8450-01	.1559-02	.1293-02	.1505-02	.9600	7.703	527.2
185	.95000	.00000	929.00	.1017	.8430-01	.9130-01	.1810-02	.1501-02	.1627-02	1.114	8.342	527.5
186	.95000	.50000-01	930.00	.1587	.1313	.1431	.2826-02	.2338-02	.2549-02	1.721	12.43	533.9
186	.95000	.10000+00	931.00	.1692	.1399	.1547	.3014-02	.2492-02	.2755-02	1.828	13.63	536.1
186	.95000	.00000	932.00	.1868	.1544	.1724	.3326-02	.2749-02	.3071-02	2.014	14.08	537.0
186	.95000	.30000	933.00	.1894	.1566	.1753	.3373-02	.2763-02	.3121-02	2.043	14.73	537.1
185	.95000	.50000	934.00	.1364	.1129	.1266	.2430-02	.2011-02	.2254-02	1.482	11.07	532.8
186	.95000	.70000	935.00	.1118	.9260-01	.1046	.1991-02	.1649-02	.1863-02	1.219	9.270	530.4
186	.95000	.80000	936.00	.1185	.9830-01	.1128	.2111-02	.1750-02	.2010-02	1.297	9.713	528.2
185	.95000	.90000	937.00	.7970-01	.6610-01	.7690-01	.1419-02	.1177-02	.1369-02	.8770	6.686	524.9

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(RV1L07)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = -2.000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PS A	P	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
157	7.940	1.035	40.08	2.000	158.0	211.1	.2300-01	1259.	92.50	1.002	3741.	.2059-04
158	7.940	1.025	40.08	2.000	158.0	209.2	.2200-01	1259.	92.50	.9330	3743.	.2040-04
159	7.940	1.018	40.09	2.000	158.0	207.9	.2200-01	1260.	92.60	.9870	3743.	.2027-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
157	.7446-07	.2444-01	.4003-01	0.075
158	.7450-07	.2434-01	.4023-01	
159	.7452-07	.2426-01	.4036-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAU)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTADT DEG. R /SEC	TW DEG. R
159	.30000	.00000	845.00	.4800-01	.3950-01	.4290-01	.1161-02	.9588-03	.1042-02	.6860	7.635	544.5
159	.30000	.50000-01	846.00	.1575	.1290	.1416	.3822-02	.3131-02	.3434-02	2.181	24.06	563.0
159	.30000	.10000+00	847.00	.1465	.1202	.1324	.3555-02	.2916-02	.3213-02	2.043	17.37	559.1
159	.30000	.20000	848.00	.1539	.1099	.1222	.3248-02	.2667-02	.2964-02	1.879	13.43	555.2
159	.30000	.40000	850.00	.7850-01	.6440-01	.7220-01	.1905-02	.1553-02	.1751-02	1.098	7.840	557.2
159	.30000	.50000	851.00	.6820-01	.5620-01	.6320-01	.1653-02	.1357-02	.1532-02	.9520	7.021	558.1
159	.30000	.60000	852.00	.6400-01	.5250-01	.5920-01	.1552-02	.1274-02	.1437-02	.8950	6.801	557.2
159	.30000	.70000	853.00	.6100-01	.5010-01	.5650-01	.1479-02	.1214-02	.1372-02	.8540	6.103	556.1
159	.30000	.80000	854.00	.5380-01	.4830-01	.5480-01	.1426-02	.1171-02	.1330-02	.8250	6.095	554.9
159	.30000	.90000	855.00	.4040-01	.3330-01	.3660-01	.1278-02	.1073-03	.1361-03	.5770	4.217	544.3
159	.30000	.95000	856.00	.4440-01	.3660-01	.4290-01	.1078-02	.8895-03	.1040-02	.6370	4.584	542.4
159	.30000	.99000	857.00	.7570-01	.6210-01	.6750-01	.1836-02	.1508-02	.1640-02	1.061	9.035	555.0
154	.40000	.00000	858.00	.1892	.1546	.1685	.4590-02	.3751-02	.4088-02	2.565	25.83	570.4
159	.40000	.50000-01	859.00	.3690	.3012	.3250	.8952-02	.7306-02	.7155-02	5.008	35.45	574.2
153	.40000	.10000+00	860.00	.2520	.2062	.2273	.6114-02	.5003-02	.5515-02	3.467	24.63	566.6
153	.40000	.20000	861.00	.1514	.1241	.1393	.3673-02	.3010-02	.3378-02	2.199	15.45	562.1
159	.40000	.30000	862.00	.1216	.9970-01	.1126	.2951-02	.2419-02	.2731-02	1.689	12.04	561.1

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	F/HREF R=1.0	H/HREF (1AU)	H(OTO) BTU/ R FT2SEC	H(1C) BTU/ R FT2SEC	H(1AM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
159	40000	40000J	963.00	1030	845J-01	9540-01	2499-02	2049-02	2314-02	1.434	10.92	559.9
159	40000	60000J	864.00	8790-01	7220-01	8120-01	2133-02	1751-02	2314-02	1.233	8.278	555.4
153	40000	70000	865.00	9710-01	7970-01	8930-01	2356-02	1935-02	2182-02	1.361	9.136	555.9
159	40000	75000	866.00	8640-01	7090-01	8030-01	2095-02	1721-02	1948-02	1.214	8.972	554.0
159	40000	80000	867.00	7590-01	6240-01	7180-01	1841-02	1515-02	1741-02	1.075	8.095	549.8
153	40000	90000	868.00	6400-01	5270-01	6160-01	1553-02	1278-02	1495-02	0.900	7.775	548.2
159	40000	95000	869.00	5470-01	4500-01	5310-01	1327-02	1000-02	1288-02	0.7800	6.311	546.0
159	40000	100000	871.00	5000	4062	444	1215-01	9854-02	1077-01	6.568	52.8F	593.1
159	50000	50000-01	872.00	3750	3059	3319	9099-02	7422-02	8052-02	5.072	38.34	576.2
159	50000	100000+00	873.00	2330	1908	2119	5653-02	4629-02	5142-02	3.218	22.65	564.4
159	50000	20000	874.00	1604	1314	1178	3891-02	3188-02	3596-02	2.225	15.85	561.6
159	50000	30000	875.00	1263	1035	1167	3063-02	2512-02	2870-02	1.757	12.52	560.1
159	50000	40000	876.00	1045	8570-01	9660-01	2534-02	2078-02	2344-02	1.455	10.38	559.3
159	50000	50000	877.00	8790-01	7210-01	8140-01	2132-02	1750-02	1975-02	1.229	8.500	557.3
159	50000	60000	878.00	6010-01	4940-01	5580-01	1457-02	1199-02	1354-02	0.8540	6.661	547.8
159	50000	70000	879.00	6379	5059	5605	1548-01	1236-01	1360-01	7.734	53.39	623.9
159	50000	80000	880.00	5716	4579	503	1387-01	1111-01	1271-01	7.035	62.69	626.3
159	50000	90000	881.00	6760	5453	5813	1640-01	1323-01	1410-01	8.615	64.10	608.3
159	50000	100000	882.00	3751	3044	3319	9100-02	7365-02	8050-02	4.936	46.69	591.3
159	60000	50000-01	883.00	3858	3141	3481	9353-02	7620-02	8443-02	5.164	37.63	581.8
159	60000	70000	884.00	2920	2388	2666	7085-02	5794-02	6468-02	4.004	28.43	568.4
159	60000	100000+00	885.00	1815	1488	1677	4402-02	3610-02	4068-02	2.526	18.01	559.9
159	60000	20000	886.00	1575	1290	1454	3820-02	3129-02	3528-02	2.179	14.57	563.1
159	60000	30000	887.00	1433	1174	1322	3477-02	2848-02	3208-02	1.982	13.67	563.5
159	60000	40000	888.00	1299	1055	1203	3152-02	2504-02	2917-02	1.807	12.48	560.4
159	60000	50000	889.00	1162	9530-01	1076	2818-02	2313-02	2611-02	1.623	11.22	557.7
159	60000	60000	891.00	7700-01	6330-01	7280-01	1958-02	1535-02	1766-02	1.086	8.035	551.9
159	60000	70000	892.00	9030-01	7430-01	8580-01	2191-02	1803-02	2033-02	1.281	9.330	549.2
159	60000	80000	893.00	7850-01	6550-01	7680-01	1931-02	1590-02	1853-02	1.133	8.548	546.6
159	60000	90000	894.00	5920-01	4870-01	5740-01	1435-02	1182-02	1393-02	0.8460	6.384	544.4
159	60000	100000	895.00	3330	2702	2954	6073-02	6556-02	7160-02	4.382	36.68	591.2
159	70000	00000	896.00	1475	1205	1314	3575-02	2923-02	3187-02	2.009	25.96	572.3
159	70000	20000-01	897.00	2443	1996	2115	5826-02	4843-02	5131-02	3.338	30.58	570.4
159	70000	10000+00	898.00	2655	2173	2419	6440-02	5271-02	5869-02	3.657	25.18	565.8
159	70000	20000	899.00	2195	1800	202	5325-02	4367-02	4904-02	3.057	18.77	559.5
159	70000	30000	900.00	1772	1454	1640	4299-02	3527-02	3979-02	2.475	15.21	558.0
159	70000	40000	901.00	1548	1270	1432	3755-02	3081-02	3475-02	2.161	13.66	558.4
159	70000	50000	902.00	1373	1127	1272	3332-02	2733-02	3086-02	1.917	12.11	558.4
159	70000	60000	903.00	8020-01	6600-01	7720-01	1945-02	1601-02	1873-02	1.140	8.174	548.3
159	75000	00000	904.00	1330	1094	1183	3226-02	2655-02	2886-02	1.888	14.99	548.3
159	75000	20000-01	905.00	3231	2631	2785	7840-02	6382-02	6757-02	4.324	33.75	582.1
159	75000	50000-01	906.00	3431	2803	3066	8324-02	6800-02	7438-02	4.677	34.26	571.7
159	75000	10000+00	907.00	2960	2420	2696	7181-02	5872-02	6541-02	4.059	27.91	568.4

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(RVIL07)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19TO BTU/R FT2SEC	H1TO BTU/R FT2SEC	H1TAN BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
159	.75000	.20000	908.00	.1963	.1610	.1810	.4763-02	.3907-02	.4390-02	2.735	18.90	559.4
159	.75000	.30000	909.00	.1716	.1409	.1586	.4164-02	.3418-02	.3848-02	2.402	15.19	556.7
159	.75000	.40000	910.00	.1460	.1198	.1349	.3541-02	.2906-02	.3273-02	2.042	13.29	557.1
159	.75000	.60000	911.00	.1339	.1100	.124	.3249-02	.2688-02	.3010-02	1.877	12.60	555.8
159	.75000	.80000	912.00	.9360-01	.7690-01	.8340-01	.2270-02	.1865-02	.2145-02	1.317	10.81	553.7
159	.75000	.90000	913.00	.8490-01	.6990-01	.8170-01	.2060-02	.1695-02	.1992-02	1.208	8.811	547.0
159	.75000	.95000	914.00	.5940-01	.4890-01	.5760-01	.1441-02	.1187-02	.1397-02	.8470	6.395	545.7
159	.80000	.00000	915.00	.2662	.2166	.2365	.645-02	.5255-02	.5738-02	3.554	32.35	583.2
159	.80000	.20000	916.00	.2062	.1692	.1902	.5004-02	.4105-02	.4614-02	2.878	19.89	558.5
159	.80000	.40000	917.00	.1545	.1268	.1427	.3749-02	.3076-02	.3461-02	2.156	15.38	558.4
159	.80000	.60000	918.00	.9110-01	.7500-01	.8760-01	.2210-02	.1819-02	.2125-02	1.293	9.426	548.4
159	.85000	.00000	919.00	.3118	.2539	.2772	.7565-02	.6161-02	.6725-02	4.180	32.65	581.0
159	.85000	.20000	920.00	.2104	.1726	.1936	.5106-02	.4186-02	.4697-02	2.929	20.88	559.9
159	.85000	.40000	921.00	.1678	.1377	.1548	.4072-02	.3340-02	.3735-02	2.341	17.26	558.7
159	.90000	.00000	922.00	.1789	.1466	.1596	.4341-02	.3557-02	.3873-02	2.480	19.56	562.2
159	.90000	.20000	923.00	.2362	.1936	.2161	.5731-02	.4697-02	.5243-02	3.281	24.15	561.1
159	.90000	.40000	924.00	.2115	.1733	.1941	.5130-02	.4205-02	.4709-02	2.936	20.91	561.4
159	.90000	.60000	925.00	.1883	.1544	.1734	.4567-02	.3746-02	.4207-02	2.625	18.73	558.8
159	.90000	.80000	926.00	.1602	.1314	.1479	.3886-02	.3187-02	.3587-02	2.230	15.90	559.8
159	.90000	.00000	927.00	.1160	.9530-01	.1094	.2814-02	.2312-02	.2655-02	1.633	12.71	553.3
159	.90000	.20000	928.00	.8740-01	.7190-01	.8420-01	.2119-02	.1744-02	.2043-02	1.232	9.838	548.8
159	.95000	.00000	929.00	.1025	.8440-01	.9170-01	.2487-02	.2048-02	.2226-02	1.462	10.85	545.8
159	.95000	.20000	930.00	.1586	.1302	.1424	.3847-02	.3160-02	.3455-02	2.227	15.92	554.7
159	.95000	.40000	931.00	.1720	.1412	.1566	.4173-02	.3425-02	.3800-02	2.408	17.77	556.7
159	.95000	.60000	932.00	.1926	.1580	.1772	.4673-02	.3834-02	.4300-02	2.689	18.59	558.2
159	.95000	.80000	933.00	.1699	.1557	.1751	.4606-02	.3778-02	.4247-02	2.646	18.87	559.1
159	.95000	.00000	934.00	.1365	.1121	.1262	.3313-02	.2719-02	.3062-02	1.913	14.12	556.1
159	.95000	.20000	935.00	.1173	.9640-01	.1094	.2847-02	.2338-02	.2655-02	1.649	12.39	554.4
159	.95000	.40000	936.00	.1179	.9690-01	.1119	.2859-02	.2351-02	.2716-02	1.666	12.33	550.8
159	.95000	.60000	937.00	.7930-01	.6530-01	.7640-01	.1925-02	.1585-02	.1854-02	1.132	8.541	545.2

PARAMETRIC DATA

ALPHA = 40.00 BETA = -2.000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	O PSIA	V FT/SEC	RHO SLUGS /FT3
103	7.5	2.042	40.02	2.000	158.0	439.5	4600-01	1293.	94.10	2.040	3794.	.4079-04
104	7.5	1.996	40.08	2.000	158.0	429.3	4500-01	1292.	94.10	1.992	3793.	.3986-04
105	7.5	2.008	40.04	2.000	158.0	431.8	4500-01	1292.	94.00	2.004	3792.	.4010-04

TEST DATA

PUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
105	30000	.00000	845.00	.4680-01	.7970-01	.4200-01	.1626-02	.1345-02	.1458-02	1.005	11.19	544.7
105	30000	.50000-01	846.00	.1477	.1210	.1328	.5130-02	.4201-02	.4677-02	2.996	32.80	578.6
105	30000	.10000+00	847.00	.1312	.1077	.1186	.4555-02	.3740-02	.4120-02	2.699	22.82	570.1
105	30000	.20000	848.00	.1299	.1069	.1186	.4510-02	.3710-02	.4119-02	2.701	19.22	563.6
105	30000	.40000	850.00	.7240-01	.7940-01	.6650-01	.2514-02	.2064-02	.2312-02	1.492	10.59	569.0
105	30000	.50000	851.00	.6510-01	.5350-01	.6140-01	.2552-02	.1857-02	.2035-02	1.339	9.809	570.8
105	30000	.70000	852.00	.6910-01	.5670-01	.6400-01	.2399-02	.1969-02	.2222-02	1.419	10.40	570.9
105	30000	.80000	853.00	.9970-01	.8190-01	.9330-01	.3463-02	.2845-02	.3231-02	1.565	11.10	569.8
105	30000	.90000	854.00	.7180-01	.5930-01	.6870-01	.2493-02	.2061-02	.2384-02	1.533	11.18	568.5
105	30000	.95000	855.00	.7760-01	.6420-01	.7500-01	.2696-02	.2230-02	.2604-02	1.666	11.97	547.7
105	30000	.00000	857.00	.9100-01	.7490-01	.8400-01	.3161-02	.2603-02	.2828-02	1.905	16.19	559.9
105	30000	.00000	858.00	.1689	.1542	.1681	.6555-02	.5354-02	.5836-02	3.775	37.42	586.7
105	30000	.50000-01	859.00	.3581	.2916	.3153	.1243-01	.1012-01	.1034-01	7.042	49.31	596.3
105	30000	.10000+00	860.00	.2523	.2062	.2275	.8760-02	.7159-02	.7899-02	5.059	35.62	585.2
105	30000	.20000	861.00	.1492	.1223	.1373	.5182-02	.4247-02	.4767-02	3.042	22.23	575.6
105	30000	.30000	862.00	.1186	.9720-01	.1093	.4119-02	.3376-02	.3813-02	2.420	17.12	575.2

(RVIL07)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO) BTU/ R F12SEC	H1TC) BTU/ R F12SEC	H1TAW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMOT DEG. R /SEC	TW DEG. R
105	40000	40000	867.00	.9300-01	.8110-01	.9170-01	.3437-02	.2817-02	.3183-02	2.016	15.25	575.9
105	40000	60000	864.00	.1047	.8600-01	.9680-01	.3637-02	.2985-02	.3361-02	2.152	14.34	570.9
105	40000	70000	865.00	.1151	.9330-01	.1075	.4031-02	.3308-02	.3733-02	2.385	15.88	571.0
105	40000	75000	866.00	.1027	.8430-01	.9550-01	.3565-02	.2929-02	.3316-02	2.120	15.55	538.1
105	40000	85000	867.00	.9830-01	.6150-01	.9160-01	.3434-02	.2829-02	.3250-02	2.074	15.54	558.8
105	40000	90000	868.00	.8340-01	.6880-01	.8140-01	.2838-02	.2303-02	.2791-02	1.759	14.98	555.6
105	40000	95000	869.00	.7500-01	.6190-01	.7590-01	.2606-02	.2151-02	.2530-02	1.592	12.84	551.8
105	50000	60000	871.00	.4939	.3986	.4365	.1715-01	.1384-01	.1516-01	9.266	73.54	622.3
105	50000	50000-01	872.00	.3607	.2931	.3185	.1253-01	.1018-01	.1106-01	7.018	52.37	602.3
105	50000	10000+00	873.00	.2300	.1880	.219	.7887-02	.6530-02	.7261-02	4.625	33.67	583.6
105	50000	20000	874.00	.1600	.1311	.1475	.5554-02	.4553-02	.5121-02	3.260	23.06	575.7
105	50000	30000	875.00	.1222	.1002	.1124	.4233-02	.3480-02	.3922-02	2.499	17.69	573.8
105	50000	40000	876.00	.1098	.9000-01	.1016	.3813-02	.3125-02	.3527-02	2.237	15.82	575.9
105	50000	60000	877.00	.9480-01	.7770-01	.8780-01	.3291-02	.2699-02	.3048-02	1.937	13.28	574.2
105	50000	90000	878.00	.7050-01	.5810-01	.6560-01	.2443-02	.2018-02	.2277-02	1.484	11.53	556.6
105	50000	00000	879.00	.6150	.4856	.5365	.2136-01	.1686-01	.1853-01	10.36	83.14	677.6
105	60000	00000	880.00	.5669	.4494	.4957	.1969-01	.1561-01	.1721-01	9.729	84.97	668.4
105	60000	25000-01	881.00	.6737	.5390	.5160	.2339-01	.1872-01	.2000-01	12.10	67.00	621.5
105	60000	50000-01	882.00	.3525	.3098	.3574	.1328-01	.1072-01	.1172-01	7.188	88.38	645.6
105	60000	75000-01	883.00	.3973	.3142	.3468	.1345-01	.1091-01	.1211-01	7.463	53.69	607.8
105	60000	10000+00	884.00	.2901	.2367	.2643	.1008-01	.8213-02	.9133-02	5.765	40.48	590.4
105	60000	20000	885.00	.1789	.1464	.1652	.6213-02	.5085-02	.5737-02	3.617	25.52	580.5
105	60000	30000	886.00	.1185	.1116	.1238	.4118-02	.3376-02	.3814-02	3.248	21.52	581.2
105	60000	40000	887.00	.1609	.1316	.1485	.5585-02	.4571-02	.5159-02	2.833	19.36	580.9
105	60000	50000	888.00	.1432	.1148	.1294	.4870-02	.3985-02	.4493-02	2.658	18.19	578.5
105	60000	60000	889.00	.1310	.1073	.1212	.4550-02	.3766-02	.4210-02	2.419	16.58	575.1
105	60000	80000	890.00	.1185	.9720-01	.1338	.3072-02	.2524-02	.2905-02	1.831	13.44	566.6
105	60000	85000	891.00	.8650-01	.7270-01	.8160-01	.3072-02	.2524-02	.2905-02	2.097	15.17	563.3
105	60000	90000	892.00	.1007	.8250-01	.9590-01	.3433-02	.2878-02	.3255-02	1.800	13.50	558.6
105	60000	95000	893.00	.6530-01	.7070-01	.6880-01	.2930-02	.2455-02	.2877-02	1.332	10.01	553.4
105	60000	00000	894.00	.6290-01	.5190-01	.6110-01	.2166-02	.1803-02	.2123-02	6.233	51.52	616.4
105	60000	3255	895.00	.3255	.2559	.2708	.1141-01	.9228-02	.1010-01	2.981	38.19	589.7
105	70000	00000	896.00	.1439	.123	.1333	.5204-02	.4246-02	.4630-02	2.954	44.98	588.3
105	70000	25000-01	897.00	.2484	.2028	.2150	.6270-02	.7043-02	.7485-02	5.371	36.64	579.8
105	70000	15000+00	898.00	.2677	.2188	.2438	.9295-02	.7597-02	.8457-02	4.364	26.53	579.8
105	70000	20000	899.00	.2156	.1765	.1965	.7498-02	.6129-02	.6932-02	3.442	20.93	578.9
105	70000	30000	900.00	.1639	.1330	.157	.5937-02	.4639-02	.5454-02	3.134	19.59	580.0
105	70000	40000	901.00	.1549	.1268	.1432	.5378-02	.4422-02	.4973-02	2.853	17.85	578.8
105	70000	50000	902.00	.1407	.1152	.1303	.4887-02	.4001-02	.4524-02	2.132	15.17	564.0
105	70000	60000	903.00	.1026	.8440-01	.9580-01	.3562-02	.2930-02	.3430-02	4.153	32.56	573.8
105	75000	00000	904.00	.2031	.1666	.1813	.7053-02	.5764-02	.6294-02	6.211	47.93	605.6
105	75000	25000-01	905.00	.3211	.2606	.2762	.1115-01	.9051-02	.9591-02	6.681	48.42	592.7
105	75000	50000-01	906.00	.3375	.2752	.3013	.1172-01	.9956-02	.1046-01	5.782	39.35	569.6
105	75000	10000+00	907.00	.2905	.2371	.2644	.1009-01	.8233-02	.9183-02	5.782	39.35	569.6

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(RVIL07)

AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) OFBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(TAN) BTU/ R F12SEC	QDOT BTU/ R F12SEC	DTWOT DEG. R /SEC	TW DEG. R
105	75000	.20000	908.00	.2039	.1644	.1850	.6978-02	.5708-02	.6425-02	4.058	27.73	580.9
105	75000	.30000	909.00	.1689	.1384	.1560	.5855-02	.4805-02	.5416-02	3.433	21.49	577.4
105	75000	.40000	910.00	.1478	.1209	.1264	.5131-02	.4198-02	.4738-02	2.984	19.19	581.1
105	75000	.60000	911.00	.1412	.1156	.1307	.4903-02	.4015-02	.4539-02	2.862	18.99	578.9
105	75000	.80000	912.00	.1111	.9110-01	.1049	.3859-02	.3163-02	.3644-02	2.269	18.44	574.4
105	75000	.90000	913.00	.1060	.8720-01	.1020	.3632-02	.3028-02	.3544-02	2.202	15.92	564.5
105	75000	.95000	914.00	.7440-01	.6120-01	.7210-01	.2583-02	.2127-02	.2504-02	1.554	11.64	561.0
105	80000	.00000	915.00	.2655	.2154	.2354	.9219-02	.7479-02	.8174-02	5.117	46.02	607.6
105	80000	.20000	916.00	.2011	.1646	.1653	.6987-02	.5716-02	.6436-02	4.068	27.81	580.2
105	80000	.40000	917.00	.1482	.1212	.1267	.5147-02	.4207-02	.4746-02	2.976	20.96	584.4
105	80000	.60000	918.00	.1069	.8780-01	.1628	.3713-02	.3050-02	.3570-02	2.205	15.91	568.7
105	85000	.00000	919.00	.3006	.2440	.2666	.1044-01	.8473-02	.9259-02	5.811	44.83	606.0
105	85000	.20000	920.00	.2043	.1670	.1678	.7095-02	.5801-02	.6520-02	4.108	28.94	583.7
105	85000	.40000	921.00	.1607	.1312	.1479	.5579-02	.4556-02	.5136-02	3.208	23.31	587.6
105	90000	.00000	922.00	.1752	.1434	.1562	.6083-02	.4973-02	.5423-02	3.544	27.69	590.1
105	90000	.10000+00	923.00	.2353	.1925	.2151	.8169-02	.6683-02	.7463-02	4.745	34.58	581.8
105	90000	.20000	924.00	.2127	.1738	.1950	.7366-02	.6034-02	.6771-02	4.260	29.98	585.8
105	90000	.30000	925.00	.1952	.1595	.1795	.6779-02	.5538-02	.6234-02	3.908	27.50	586.1
105	90000	.50000	926.00	.1577	.1288	.1453	.5477-02	.4472-02	.5047-02	3.150	22.15	587.5
105	90000	.80000	927.00	.1193	.9770-01	.1124	.4142-02	.3391-02	.3903-02	2.418	18.58	578.8
105	90000	.90000	928.00	.8010-01	.7230-01	.8490-01	.3059-02	.2510-02	.2947-02	1.807	14.18	571.9
105	95000	.00000	929.00	.9760-01	.8050-01	.8740-01	.3390-02	.2794-02	.3034-02	2.054	15.16	556.5
105	95000	.10000+00	930.00	.1523	.1251	.1368	.5289-02	.4344-02	.4751-02	3.142	22.31	568.5
105	95000	.20000	931.00	.1696	.1391	.1544	.5891-02	.4829-02	.5363-02	3.462	25.31	575.0
105	95000	.30000	932.00	.1659	.1530	.1719	.6491-02	.5313-02	.5969-02	3.783	26.87	579.3
105	95000	.40000	933.00	.1853	.1514	.1706	.6433-02	.5258-02	.5924-02	3.718	26.18	584.7
105	95000	.50000	934.00	.1270	.1039	.1175	.4410-02	.3610-02	.4073-02	2.562	18.74	580.0
105	95000	.60000	935.00	.1330	.1088	.1259	.4616-02	.3778-02	.4302-02	2.684	19.89	581.5
105	95000	.80000	936.00	.1373	.1126	.1303	.4769-02	.3909-02	.4526-02	2.802	20.48	575.1
105	95000	.90000	937.00	.6550-01	.7030-01	.8230-01	.2970-02	.2441-02	.2859-02	1.768	13.20	567.3

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AEDC VKF V41B-57A (CH-49B) COLLATION DECK

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RVIL07)

PARAMETRIC DATA

ALPHA = 40.00 BETA = -2.000 ELEVTR = .0000 SPDRBK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
19	6.000	3.727	40.08	2.000	158.0	862.2	.8800-01	1350.	57.90	3.957	3878.	.7572-04
20	8.000	3.720	40.13	2.000	158.0	861.5	.8800-01	1351.	97.90	3.953	3879.	.7560-04
21	8.000	3.727	40.12	2.100	158.0	862.4	.8800-01	1351.	97.90	3.958	3878.	.7573-04

RUN NUMBER	MU	LB-SEC /FT2	ST PR R =
19	.7879-07	.4918-01	0.0175
20	.7885-07	.4918-01	.2103-01
21	.7879-07	.4918-01	.2103-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H19TO) BTU/ K FT2SEC	H1TO) BTU/ R FT2SEC	H1TAM) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
21	.30000	.00000	845.00	.4410-01	.3660-01	.3370-01	.2171-02	.1799-02	.1950-02	1.418	15.65	562.3
21	.30000	.50000-01	846.00	.1464	.1194	.1312	.7200-02	.5870-02	.6452-02	4.292	46.05	619.4
21	.30000	.10000-00	847.00	.1282	.1049	.1157	.6303-02	.5160-02	.5690-02	3.844	31.95	605.6
21	.30000	.20000	848.00	.1306	.1072	.1151	.6423-02	.5273-02	.5859-02	3.978	27.85	596.2
21	.30000	.40000	850.00	.9730-01	.7960-01	.6320-01	.4784-02	.3917-02	.4392-02	2.918	20.34	505.4
21	.30000	.50000	851.00	.1474	.1203	.1322	.7248-02	.5919-02	.6689-02	4.358	31.25	614.3
21	.30000	.60000	852.00	.2261	.1843	.2087	.1112-01	.9064-02	.1027-01	6.618	47.32	620.3
21	.30000	.70000	853.00	.3058	.2484	.2823	.1504-01	.1221-01	.1389-01	8.781	60.42	631.7
21	.30000	.80000	854.00	.3345	.2713	.3105	.1645-01	.1334-01	.1527-01	9.518	67.79	635.0
21	.30000	.90000	855.00	.1879	.1544	.1794	.9243-02	.7592-02	.8822-02	5.741	40.89	594.4
21	.30000	.95000	856.00	.1715	.1410	.1554	.8433-02	.6935-02	.8135-02	5.273	37.03	590.2
21	.35000	.00000	857.00	.1101	.9060-01	.9340-01	.5413-02	.4454-02	.4842-02	3.395	28.46	588.2
21	.40000	.00000	858.00	.1814	.1474	.1610	.8920-02	.7248-02	.7920-02	5.222	50.68	630.0
21	.40000	.50000-01	859.00	.3615	.2920	.3162	.1778-01	.1436-01	.1555-01	10.08	68.83	648.4
21	.40000	.00000	860.00	.2636	.2140	.2387	.1297-01	.1052-01	.1164-01	7.550	51.92	633.2
21	.40000	.20000	861.00	.1815	.1479	.1665	.8924-02	.7275-02	.8188-02	5.314	38.01	620.0
21	.40000	.30000	862.00	.1869	.1522	.1725	.9190-02	.7487-02	.8482-02	5.455	37.72	621.8

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) CRBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT/SEC	H(10) BTU/R FT/SEC	H(TAN) BTU/R FT/SEC	QDOT BTU/ FT/SEC	DTWOT DEG. R /SEC	TW DEG. R
21	40000	40000	863.00	.1973	.1606	.1821	.9703-02	.7900-02	.8957-02	5.740	42.38	624.0
21	40000	60000	864.00	.3015	.2455	.2766	.1483-01	.1207-01	.1365-01	8.783	57.01	625.2
21	40000	70000	865.00	.3361	.2732	.3059	.1653-01	.1344-01	.1524-01	9.693	62.74	629.2
21	40000	75000	866.00	.2991	.2436	.2771	.1471-01	.1198-01	.1363-01	8.722	62.30	628.5
21	40000	85000	867.00	.2525	.2065	.2363	.1242-01	.1015-01	.1172-01	7.533	55.08	608.9
21	40000	90000	868.00	.2191	.1793	.2107	.1078-01	.8821-02	.1036-01	6.563	54.52	606.4
21	40000	95000	869.00	.2033	.1665	.1971	.9939-02	.8191-02	.9693-02	6.116	48.09	603.8
21	50000	00000	871.00	.4919	.3924	.4319	.2419-01	.1930-01	.2124-01	12.88	99.31	683.1
21	50000	50000-01	872.00	.3770	.3031	.3365	.1854-01	.1491-01	.1626-01	10.27	74.45	661.6
21	50000	10000+00	873.00	.1524	.1240	.1361	.7493-02	.6098-02	.6794-02	4.422	31.54	625.4
21	50000	20000	874.00	.1863	.1519	.1713	.9163-02	.7458-02	.8425-02	5.454	37.74	620.3
21	50000	30000	875.00	.1739	.1418	.1503	.8553-02	.6974-02	.7883-02	5.103	35.34	618.9
21	50000	40000	876.00	.1900	.1548	.1763	.9344-02	.7614-02	.8619-02	5.552	38.40	621.3
21	50000	50000	877.00	.2451	.1955	.2263	.1206-01	.9814-02	.1113-01	7.126	47.68	624.4
21	50000	60000	878.00	.2122	.1737	.1967	.1044-01	.8542-02	.9672-02	6.359	48.20	606.1
21	55000	00000	879.00	.5773	.4461	.4972	.2839-01	.2194-01	.2446-01	13.04	101.0	756.0
21	60000	00000	880.00	.5678	.4401	.4900	.2793-01	.2165-01	.2410-01	13.00	109.3	749.9
21	60000	25000-01	881.00	.6644	.5197	.5565	.3267-01	.2556-01	.2747-01	15.86	111.4	730.1
21	60000	50000-01	882.00	.3978	.3151	.3467	.1956-01	.1550-01	.1705-01	10.07	90.42	700.6
21	60000	75000-01	883.00	.4066	.3247	.3630	.2000-01	.1597-01	.1785-01	10.71	94.40	680.0
21	60000	10000+00	884.00	.3166	.2554	.2871	.1557-01	.1256-01	.1412-01	8.777	59.82	651.8
21	60000	20000	885.00	.2079	.1690	.1914	.1023-01	.8314-02	.9413-02	6.077	41.41	628.0
21	60000	30000	886.00	.2009	.1633	.1849	.9879-02	.8030-02	.9093-02	5.796	37.52	628.7
21	60000	40000	887.00	.1928	.1568	.1773	.9484-02	.7711-02	.8720-02	5.570	37.20	628.2
21	60000	50000	888.00	.1918	.1562	.1770	.9435-02	.7654-02	.8708-02	5.593	37.45	622.8
21	60000	60000	889.00	.1961	.1599	.1811	.9642-02	.7854-02	.8908-02	5.757	38.63	618.4
21	60000	70000	890.00	.2021	.1649	.1860	.9939-02	.8108-02	.9245-02	5.944	41.19	617.4
21	60000	80000	891.00	.1852	.1516	.1748	.9106-02	.7455-02	.8597-02	5.553	39.99	605.7
21	60000	85000	892.00	.2213	.1812	.2100	.1068-01	.8912-02	.1033-01	6.651	47.15	604.2
21	60000	90000	893.00	.2160	.1771	.2022	.1062-01	.8708-02	.1024-01	6.522	47.87	601.6
21	60000	95000	894.00	.1921	.1578	.1863	.9448-02	.7760-02	.9163-02	5.865	43.18	594.7
21	65000	00000	895.00	.3276	.2628	.2867	.1611-01	.1293-01	.1420-01	8.830	71.21	667.5
21	70000	00000	896.00	.1570	.1275	.1353	.7719-02	.6271-02	.6853-02	4.515	56.69	630.6
21	70000	25000-01	897.00	.2558	.2073	.2201	.1258-01	.1020-01	.1083-01	7.262	62.35	638.3
21	70000	50000+00	898.00	.2929	.2287	.2563	.1392-01	.1125-01	.1260-01	7.932	52.53	645.4
21	70000	70000	899.00	.2440	.1922	.2238	.1200-01	.9749-02	.1101-01	7.015	41.59	631.0
21	70000	30000	900.00	.2093	.1705	.1921	.1029-01	.8384-02	.9435-02	6.110	36.38	621.8
21	70000	40000	901.00	.2023	.1648	.1867	.9951-02	.8107-02	.9101-02	5.908	36.18	621.8
21	70000	50000	902.00	.2022	.1648	.1868	.9945-02	.8107-02	.9185-02	5.926	36.34	619.5
21	70000	60000	903.00	.2935	.2397	.2620	.1443-01	.1179-01	.1387-01	8.686	60.30	613.7
21	75000	00000	904.00	.2469	.2012	.2156	.1214-01	.9897-02	.1080-01	7.226	55.36	620.4
21	75000	25000-01	905.00	.3241	.2606	.2768	.1594-01	.1282-01	.1361-01	8.846	66.47	660.5
21	75000	50000-01	906.00	.3415	.2753	.3027	.1680-01	.1354-01	.1489-01	9.420	66.25	654.7

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) CRBITER LOWER WING

(RVIL07)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(970) BTU/R FT2SEC	H(TO) BTU/R FT2SEC	H(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	STWOT DEG. R /SEC	TW SEC. R
21	.75000	.10000+00	907.00	.3199	.2579	.2853	.1573-01	.1268-01	.1423-01	8.833	58.26	654.0
21	.75000	.20000	908.00	.2350	.1907	.2156	.1156-01	.9380-02	.1060-01	6.723	44.77	633.9
21	.75000	.30000	909.00	.2083	.1697	.1918	.1025-01	.8347-02	.9435-02	6.083	37.25	621.8
21	.75000	.40000	910.00	.1923	.1566	.1772	.9458-02	.7702-02	.8713-02	5.603	35.30	618.1
21	.75000	.50000	911.00	.1870	.1525	.1727	.9196-02	.7500-02	.8495-02	5.493	35.75	618.1
21	.75000	.60000	912.00	.2727	.2218	.2568	.1341-01	.1091-01	.1263-01	7.906	62.64	625.9
21	.75000	.70000	913.00	.3084	.2522	.2963	.1517-01	.1240-01	.1457-01	9.187	64.94	609.8
21	.75000	.80000	914.00	.2421	.1981	.2342	.1190-01	.9742-02	.1152-01	7.245	53.03	606.9
21	.80000	.90000	915.00	.2728	.2194	.2477	.1342-01	.1079-01	.1184-01	7.446	65.28	660.5
21	.80000	.20000	916.00	.2447	.1984	.2245	.1204-01	.9757-02	.1104-01	6.959	46.27	637.3
21	.80000	.40000	917.00	.1946	.1581	.1769	.9572-02	.7777-02	.8799-02	5.602	38.58	630.2
21	.80000	.60000	918.00	.3167	.2582	.3039	.1558-01	.1270-01	.1495-01	9.280	65.29	619.7
21	.85000	.80000	919.00	.3184	.2569	.2815	.1566-01	.1263-01	.1384-01	8.826	66.60	651.9
21	.85000	.20000	920.00	.2447	.1980	.2238	.1204-01	.9738-02	.1101-01	6.890	47.15	643.1
21	.85000	.40000	921.00	.2122	.1719	.1946	.1044-01	.6455-02	.9571-02	6.010	42.57	639.7
21	.90000	.00000	922.00	.1826	.1495	.1629	.8982-02	.7352-02	.8010-02	5.471	42.20	606.4
21	.90000	.10000+00	923.00	.2550	.2072	.2323	.1254-01	.1019-01	.1143-01	7.347	52.29	629.7
21	.90000	.20000	924.00	.2325	.1881	.2121	.1144-01	.9251-02	.1043-01	6.541	44.76	643.5
21	.90000	.30000	925.00	.2344	.1896	.2145	.1153-01	.9326-02	.1055-01	6.598	45.15	643.1
21	.90000	.40000	926.00	.2124	.1722	.1950	.1045-01	.8468-02	.9592-02	6.041	41.47	637.1
21	.90000	.50000	927.00	.4154	.3351	.3858	.2043-01	.1653-01	.1917-01	11.70	67.10	642.8
21	.90000	.60000	928.00	.3266	.2657	.3140	.1606-01	.1307-01	.1544-01	9.462	72.27	626.5
21	.95000	.70000	929.00	.1069	.8850-01	.9600-01	.5253-02	.4353-02	.4720-02	3.407	25.01	567.6
21	.95000	.80000	930.00	.1677	.1378	.1566	.8248-02	.6777-02	.7408-02	5.130	35.97	593.5
21	.95000	.90000	931.00	.1820	.1488	.1654	.8951-02	.7320-02	.8136-02	5.426	39.01	609.3
21	.95000	.20000	932.00	.2079	.1693	.1977	.1023-01	.8325-02	.9377-02	6.045	40.44	624.4
21	.95000	.30000	933.00	.2143	.1739	.1967	.1054-01	.8533-02	.9673-02	6.124	42.08	634.6
21	.95000	.40000	934.00	.1530	.1246	.1409	.7524-02	.6129-02	.6932-02	4.463	31.88	622.4
21	.95000	.50000	935.00	.3777	.3058	.3503	.1857-01	.1504-01	.1723-01	10.67	76.78	641.2
21	.95000	.60000	936.00	.3916	.3179	.3706	.1926-01	.1564-01	.1822-01	11.22	79.71	633.1
21	.95000	.70000	937.00	.2751	.2247	.2644	.1353-01	.1105-01	.1300-01	8.162	59.59	612.2

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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LOWER WING

OH-49B (AEDC V41B-57A) (REITER LOWER WING

(RVIL08)

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPCBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	FO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
187	7.900	.5170	45.08	.0000	180.0	105.3	.1200-01	1269.	94.10	.5110	3755.	.1043-04
188	7.900	.5330	45.08	.0000	180.0	108.8	.1200-01	1271.	94.30	.5280	3758.	.1076-04
189	7.900	.5601	45.11	.0000	180.0	114.4	.1300-01	1271.	94.30	.5550	3759.	.1131-04

RUN NUMBER	MJ	LB-SEC /FT ²	HREF BTU/ R FT2SEC	ST FR R =
187	.7577-07		.1748-01	0.0175
188	.7588-07		.1778-01	.5630-01
189	.7591-07		.1823-01	.5544-01
				.5408-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (T/W)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QOOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
189	.30000	.00000	845.00	.4330-01	.3590-01	.3970-01	.7902-03	.6538-03	.7231-03	.4810	5.388	534.9
189	.30000	.50000-01	846.00	.1593	.1312	.1479	.2903-02	.2393-02	.2569-02	1.730	19.23	548.2
189	.30000	.10000+00	847.00	.1511	.1246	.1343	.2755-02	.2272-02	.2449-02	1.647	14.09	546.3
189	.30000	.20000	848.00	.1718	.1112	.1218	.2457-02	.2027-02	.2203-02	1.474	10.59	544.3
189	.30000	.40000	850.00	.9120-01	.7430-01	.8140-01	.1644-02	.1355-02	.1484-02	.9800	7.033	547.7
189	.30000	.50000	851.00	.8750-01	.6650-01	.7310-01	.1467-02	.1209-02	.1334-02	.8740	6.477	548.4
189	.30000	.60000	852.00	.7380-01	.6090-01	.6710-01	.1346-02	.1110-02	.1223-02	.8030	5.957	547.3
189	.30000	.70000	853.00	.6880-01	.5670-01	.6260-01	.1254-02	.1034-02	.1141-02	.7500	5.383	546.2
189	.30000	.80000	854.00	.6310-01	.5700-01	.6310-01	.1260-02	.1040-02	.1153-02	.7550	5.603	545.1
189	.30000	.90000	855.00	.4680-01	.3870-01	.4360-01	.8531-03	.7058-03	.7985-03	.5200	3.812	535.1
189	.30000	.95000	856.00	.5540-01	.4590-01	.5210-01	.1010-02	.8361-03	.9549-03	.6170	4.459	533.1
189	.35000	.00000	857.00	.7010-01	.5790-01	.6410-01	.1279-02	.1056-02	.1169-02	.7690	6.596	542.5
185	.40000	.00000	858.00	.1625	.1338	.1463	.2962-02	.2439-02	.2704-02	1.754	17.68	552.1
189	.40000	.50000-01	859.00	.3374	.2775	.2935	.6152-02	.5058-02	.5350-02	3.618	25.84	556.0
189	.40000	.10000+00	860.00	.2459	.2024	.2132	.4482-02	.3690-02	.3979-02	2.654	18.99	552.1
189	.40000	.20000	861.00	.1550	.1277	.1400	.2826-02	.2328-02	.2552-02	1.680	12.44	549.5
189	.40000	.30000	862.00	.1243	.1024	.1129	.2266-02	.1867-02	.2077-02	1.350	9.679	548.4

AEDC V-F V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF C=0.9	H/HREF R=1.0	H/HREF (TAW)	H(OTO) BTU/ R FT2SEC	H(ITO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
189	40000	40000	863.00	.1013	.8350-01	.5210-01	.1846-02	.1522-02	.1678-02	1.102	8.454	547.1
189	40000	60000	864.00	.9250-01	.7640-01	.8390-01	.1687-02	.1392-02	.1530-02	1.012	6.835	543.9
189	40000	70000	865.00	.9450-01	.7800-01	.8600-01	.1724-02	.1423-02	.1567-02	1.034	6.977	544.6
189	40000	75000	866.00	.8540-01	.7050-01	.7790-01	.1557-02	.1285-02	.1421-02	.9360	6.953	543.1
189	40000	85000	867.00	.7920-01	.6540-01	.7300-01	.1444-02	.1193-02	.1338-02	.8730	6.610	539.1
189	40000	90000	868.00	.6820-01	.5640-01	.6430-01	.1244-02	.1028-02	.1173-02	.7550	6.491	537.1
189	40000	95000	869.00	.5720-01	.4730-01	.5430-01	.1042-02	.8623-03	.9904-03	.6350	5.171	534.6
189	50000	00000	871.00	.4235	.3473	.3858	.7720-02	.6332-02	.7034-02	4.477	36.57	564.1
189	50000	50000-01	872.00	.3454	.2841	.3018	.6297-02	.5179-02	.5501-02	3.707	28.32	555.4
189	50000	873.00	873.00	.2157	.1778	.1930	.3932-02	.3241-02	.3518-02	2.345	17.38	547.7
189	50000	20000	874.00	.1560	.1287	.1413	.2844-02	.2576-02	.2576-02	1.703	12.23	545.3
189	50000	30000	875.00	.1231	.1016	.1117	.2244-02	.1852-02	.2037-02	1.345	9.664	544.7
189	50000	40000	876.00	.1094	.9030-01	.5910-01	.1995-02	.1646-02	.1812-02	1.196	8.592	544.7
189	50000	60000	877.00	.9800-01	.8130-01	.6960-01	.1797-02	.1483-02	.1634-02	1.077	7.498	544.6
189	50000	90000	878.00	.6660-01	.5680-01	.6260-01	.1251-02	.1035-02	.1141-02	.7610	5.973	535.9
189	50000	00000	879.00	.5650	.4595	.5126	.1030-01	.8376-02	.9345-02	5.700	47.72	590.7
189	60000	00000	880.00	.5142	.4188	.4669	.9374-02	.7635-02	.8511-02	5.229	47.53	586.3
189	60000	25000-01	881.00	.6482	.5297	.5535	.1182-01	.9656-02	.1009-01	6.712	50.74	576.1
189	60000	50000-01	882.00	.3668	.3007	.3205	.6687-02	.5481-02	.5842-02	3.864	37.01	566.3
189	60000	75000-01	883.00	.3854	.3166	.3425	.7025-02	.5771-02	.6243-02	4.108	30.27	559.4
189	60000	10000-00	884.00	.2927	.2411	.2628	.5334-02	.4395-02	.4750-02	3.171	22.72	549.8
189	60000	40000	885.00	.1827	.1503	.1658	.3331-02	.2749-02	.3023-02	1.999	14.36	544.2
189	60000	30000	886.00	.1570	.1296	.1425	.2862-02	.2362-02	.2598-02	1.718	11.60	544.0
189	60000	60000	887.00	.1278	.1054	.1158	.2329-02	.1922-02	.2112-02	1.399	9.739	543.6
189	60000	80000	888.00	.1202	.9920-01	.1093	.2191-02	.1809-02	.1992-02	1.318	8.204	541.3
189	60000	60000	889.00	.1071	.8840-01	.9740-01	.1952-02	.1612-02	.1776-02	1.177	6.295	537.6
189	60000	891.00	891.00	.7640-01	.6320-01	.7080-01	.1393-02	.1152-02	.1291-02	.8450	6.295	535.9
189	60000	892.00	892.00	.6880-01	.7350-01	.8270-01	.1619-02	.1339-02	.1508-02	.9850	7.222	533.2
189	60000	893.00	893.00	.7920-01	.6550-01	.7460-01	.1443-02	.1195-02	.1364-02	.8820	6.695	533.2
189	60000	894.00	894.00	.6100-01	.5060-01	.5800-01	.1113-02	.9218-03	.1058-02	.6830	5.190	530.7
189	60000	895.00	895.00	.3333	.2732	.3036	.6076-02	.4930-02	.5534-02	3.511	29.75	566.2
189	70000	896.00	896.00	.1478	.1218	.1350	.2695-02	.2320-02	.2461-02	1.601	20.91	550.2
189	70000	2540-01	897.00	.2473	.2037	.2121	.4508-02	.3714-02	.3866-02	2.682	24.83	549.2
189	70000	10000-00	898.00	.2670	.2201	.2393	.4867-02	.4013-02	.4363-02	2.907	20.21	546.8
189	70000	20000	899.00	.2203	.1818	.1964	.4016-02	.3315-02	.3675-02	2.414	14.95	542.9
189	70000	30000	900.00	.1787	.1476	.1625	.3257-02	.2691-02	.2962-02	1.567	12.20	540.1
189	70000	40000	901.00	.1571	.1298	.1428	.2864-02	.2365-02	.2604-02	1.730	11.03	540.2
189	70000	60000	902.00	.1405	.1161	.1278	.2561-02	.2116-02	.2330-02	1.546	9.862	540.3
189	70000	903.00	903.00	.8980-01	.7440-01	.8480-01	.1638-02	.1356-02	.1545-02	1.001	7.230	533.2
189	75000	00000	904.00	.1621	.1344	.1485	.2955-02	.2450-02	.2707-02	1.821	14.61	527.9
189	75000	25000-01	905.00	.3188	.2622	.2726	.5812-02	.4787-02	.4970-02	3.420	27.05	555.6
189	75000	50000-01	906.00	.3462	.2852	.3051	.6311-02	.5199-02	.5562-02	3.752	27.79	549.6
189	75000	130003-00	907.00	.3058	.2520	.2741	.5574-02	.4594-02	.4996-02	3.323	23.09	548.0

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL08)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
189	.75000	.20000	908.00	.2089	.1724	.1891	.3808-02	.3143-02	.3448-02	2.287	15.92	543.5
189	.75000	.30000	909.00	.1798	.1486	.1633	.3278-02	.2709-02	.2976-02	1.984	12.66	539.0
189	.75000	.40000	910.00	.1534	.1268	.1393	.2797-02	.2311-02	.2540-02	1.691	11.11	539.5
189	.75000	.60000	911.00	.1437	.1188	.1368	.2620-02	.2166-02	.2384-02	1.588	10.76	537.7
189	.75000	.80000	912.00	.1036	.8570-01	.9610-01	.1890-02	.1563-02	.1751-02	1.149	9.514	536.3
189	.75000	.90000	913.00	.9500-01	.7870-01	.6960-01	.1733-02	.1435-02	.1634-02	1.061	7.801	531.6
189	.75000	.95000	914.00	.7130-01	.5910-01	.6710-01	.1293-02	.1077-02	.1233-02	.7980	6.072	529.8
189	.80000	.00000	915.00	.2481	.2042	.2264	.4523-02	.3722-02	.4128-02	2.673	24.70	553.1
189	.80000	.20000	916.00	.2185	.1804	.1979	.3983-02	.3288-02	.3609-02	2.395	15.68	542.8
189	.80000	.40000	917.00	.1510	.1330	.1461	.2936-02	.2425-02	.2663-02	1.773	12.76	540.2
189	.85000	.00000	918.00	.1005	.8330-01	.9460-01	.1833-02	.1518-02	.1727-02	1.123	8.251	531.6
189	.85000	.00000	919.00	.2679	.2207	.2446	.4684-02	.4024-02	.4460-02	2.907	23.07	548.8
189	.85000	.20000	920.00	.2207	.1822	.1965	.4023-02	.3321-02	.3637-02	2.420	17.41	542.4
189	.85000	.40000	921.00	.1451	.1199	.1367	.3340-02	.2758-02	.3026-02	2.014	14.98	541.1
189	.90000	.00000	922.00	.2237	.1847	.1967	.2645-02	.2185-02	.2418-02	1.600	12.76	539.1
189	.90000	.10000-00	923.00	.2219	.1832	.1967	.4045-02	.3340-02	.3680-02	2.439	18.14	541.1
189	.90000	.20000	924.00	.2027	.1675	.1815	.4077-02	.3053-02	.3346-02	2.455	17.66	542.4
189	.90000	.30000	925.00	.1821	.1504	.1652	.3655-02	.3053-02	.3346-02	2.004	14.43	540.4
189	.90000	.50000	926.00	.1161	.9610-01	.1075	.3319-02	.2742-02	.3011-02	1.291	10.14	534.5
189	.90000	.80000	927.00	.1045	.8650-01	.9870-01	.2117-02	.1752-02	.1960-02	1.167	9.345	529.0
189	.95000	.00000	928.00	.8050-01	.6670-01	.7370-01	.1905-02	.1577-02	.1799-02	.9020	6.750	534.5
189	.95000	.50000-01	930.00	.1418	.1173	.1286	.2563-02	.2139-02	.2289-02	1.576	11.38	538.3
189	.95000	.10000-00	931.00	.1659	.1371	.1467	.3025-02	.2500-02	.2711-02	1.832	13.65	540.3
189	.95000	.20000	932.00	.1948	.1610	.1762	.3562-02	.2934-02	.3213-02	2.145	14.96	540.9
189	.95000	.30000	933.00	.2046	.1690	.1854	.3730-02	.3030-02	.3380-02	2.250	16.19	537.9
189	.95000	.50000	934.00	.1546	.1278	.1454	.2818-02	.2329-02	.2560-02	1.708	12.72	535.5
189	.95000	.70000	935.00	.1381	.1142	.1265	.2517-02	.2082-02	.2305-02	1.532	11.62	532.8
189	.95000	.80000	936.00	.1352	.1119	.1239	.2465-02	.2041-02	.2296-02	1.507	11.25	530.1
189	.95000	.90000	937.00	.9440-01	.7820-01	.8910-01	.1720-02	.1425-02	.1623-02	1.056	8.034	

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LOWER WING

OH-498 (AEDC V41B-57A) (RB1TER LOWER WING

(RV1L08)

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BDFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	FO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
160	7.940	1.028	45.12	.0000	180.0	210.2	.2300-01	1261.	92.70	.9980	3745.	.2047-04
161	7.940	1.024	45.09	.0000	180.0	209.8	.2300-01	1262.	92.70	.9960	3747.	.2041-04
162	7.940	1.032	45.11	.0000	180.0	211.4	.2300-01	1262.	92.80	1.003	3747.	.2056-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
160	.7459-07	.2440-01	.2440-01	.4016-01
161	.7467-07	.2438-01	.2438-01	.4023-01
162	.7467-07	.2447-01	.2447-01	.4008-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(11AW) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTWOT DEG. R /SEC	TH DEG. R
162	.30000	.00000	845.00	.4420-01	.3640-01	.4040-01	.1083-02	.8919-03	.9886-03	.6390	7.109	546.0
162	.30000	.50000-01	846.00	.1561	.1279	.1375	.3919-02	.3129-02	.3366-02	2.185	24.10	563.9
162	.30000	.10000-00	847.00	.1321	.1083	.1170	.3232-02	.2650-02	.2863-02	1.857	15.77	561.5
162	.30000	.20000	848.00	.1346	.1104	.1203	.3293-02	.2702-02	.2943-02	1.901	13.56	558.7
162	.30000	.40000	850.00	.8220-01	.6740-01	.7350-01	.2011-02	.1649-02	.1810-02	1.154	8.215	562.4
162	.30000	.50000	851.00	.7310-01	.5980-01	.6620-01	.1789-02	.1455-02	.1620-02	1.021	7.499	565.3
162	.30000	.60000	852.00	.6920-01	.5560-01	.6200-01	.1693-02	.1323-02	.1465-02	.9660	7.102	565.1
162	.30000	.70000	853.00	.6600-01	.5410-01	.5950-01	.1615-02	.1323-02	.1465-02	.9230	6.565	564.6
162	.30000	.80000	854.00	.7130-01	.5640-01	.6500-01	.1745-02	.1430-02	.1591-02	.9990	7.344	563.7
162	.30000	.90000	855.00	.4740-01	.3900-01	.4430-01	.1161-02	.9548-03	.1084-02	.6790	4.940	551.3
162	.30000	.95000	856.00	.5850-01	.4610-01	.5520-01	.1432-02	.1178-02	.1351-02	.8400	6.023	549.1
162	.30000	.00000	857.00	.1349	.1109	.1230	.3302-02	.2713-02	.3011-02	1.919	16.36	554.8
162	.40000	.00000	859.00	.1581	.1294	.1439	.3969-02	.3166-02	.3521-02	2.198	22.00	567.8
162	.40000	.50000-01	859.00	.3317	.2709	.2870	.8116-02	.6629-02	.7024-02	4.567	32.35	573.3
162	.40000	.10000-00	860.00	.2475	.2024	.2188	.6056-02	.4954-02	.5354-02	3.436	24.39	568.7
162	.40000	.20000	861.00	.1547	.1266	.1352	.3785-02	.3098-02	.3406-02	2.157	15.84	566.2
162	.40000	.30000	862.00	.1251	.1024	.1132	.3061-02	.2506-02	.2771-02	1.744	12.39	566.2

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
162	.40000	.40000	863.00	.1018	.8340-01	.9220-01	.2492-02	.2041-02	.2257-02	1.121	10.80	565.7
162	.40000	.60000	864.00	.9430-01	.7730-01	.8530-01	.2308-02	.1891-02	.2086-02	1.324	8.854	562.4
162	.40000	.70000	865.00	.9750-01	.7990-01	.8830-01	.2386-02	.1955-02	.2161-02	1.358	9.150	562.6
162	.40000	.75000	866.00	.8800-01	.7220-01	.8000-01	.2154-02	.1766-02	.1959-02	1.239	9.124	560.8
162	.40000	.85000	867.00	.8290-01	.6810-01	.7670-01	.2030-02	.1667-02	.1877-02	1.177	8.838	556.0
162	.40000	.90000	868.00	.7220-01	.5930-01	.6730-01	.1766-02	.1452-02	.1662-02	1.028	8.766	553.9
162	.50000	.95000	869.00	.5370-01	.4910-01	.5670-01	.1462-02	.1202-02	.1387-02	.8540	6.893	551.8
162	.50000	.00000	871.00	.4315	.3513	.3917	.1056-01	.8598-02	.9587-02	5.840	47.26	583.0
162	.50000	.50000-01	872.00	.3323	.2713	.2838	.8133-02	.6641-02	.7068-02	4.567	34.55	574.4
162	.50000	.10000-00	873.00	.2113	.1732	.1835	.5177-02	.4239-02	.4613-02	2.954	21.71	565.3
162	.50000	.20000	874.00	.1501	.1230	.1335	.3674-02	.3011-02	.3315-02	2.103	14.37	563.5
162	.50000	.30000	875.00	.1228	.1006	.1110	.3005-02	.2462-02	.2717-02	1.722	12.25	563.0
162	.50000	.40000	876.00	.1063	.8710-01	.5620-01	.2601-02	.2131-02	.2354-02	1.489	10.60	563.5
162	.50000	.60000	877.00	.9690-01	.7940-01	.8730-01	.2372-02	.1944-02	.2150-02	1.360	9.378	562.8
162	.50000	.90000	878.00	.7070-01	.5810-01	.6430-01	.1730-02	.1422-02	.1573-02	1.008	7.839	553.7
162	.55000	.00000	879.00	.5581	.4490	.5036	.1368-01	.1039-01	.1233-01	7.094	58.64	616.6
162	.60000	.00000	880.00	.5147	.4147	.4648	.1260-01	.1015-01	.1138-01	8.595	59.17	612.4
162	.60000	.25000-01	881.00	.6462	.5228	.5475	.1581-01	.1280-01	.1340-01	6.461	63.18	601.0
162	.60000	.50000-01	882.00	.3563	.2977	.3131	.8953-02	.7285-02	.7785-02	4.906	46.47	588.8
162	.60000	.75000-01	883.00	.3732	.3041	.3239	.9134-02	.7442-02	.8075-02	5.071	30.97	580.8
162	.60000	.10000-00	884.00	.2952	.2414	.2639	.7224-02	.5908-02	.6458-02	4.094	29.05	569.3
162	.60000	.20000	885.00	.1775	.1455	.1605	.4344-02	.3560-02	.3928-02	2.491	17.74	562.5
162	.60000	.30000	886.00	.1549	.1269	.1400	.3791-02	.3105-02	.3427-02	2.164	14.46	565.2
162	.60000	.40000	887.00	.1299	.1064	.1173	.3179-02	.2603-02	.2870-02	1.814	12.49	565.4
162	.60000	.50000	888.00	.1169	.9590-01	.1059	.2861-02	.2345-02	.2592-02	1.640	11.31	562.9
162	.60000	.60000	889.00	.1073	.8200-01	.9730-01	.2627-02	.2154-02	.2381-02	1.511	10.43	561.0
162	.60000	.80000	891.00	.7800-01	.6400-01	.7210-01	.1908-02	.1557-02	.1764-02	1.106	8.160	556.5
162	.60000	.85000	892.00	.9230-01	.7580-01	.8570-01	.2253-02	.1856-02	.2099-02	1.315	9.561	553.6
162	.60000	.90000	893.00	.8360-01	.6880-01	.7830-01	.2046-02	.1683-02	.1930-02	1.197	9.011	550.7
162	.60000	.95000	894.00	.6240-01	.5140-01	.5920-01	.1528-02	.1258-02	.1450-02	.8980	6.770	548.1
162	.65000	.00000	895.00	.3357	.2730	.3046	.8216-02	.6682-02	.7454-02	4.518	37.90	586.1
162	.70000	.00000	896.00	.1468	.1216	.1354	.3643-02	.2930-02	.3315-02	2.067	26.76	568.5
162	.70000	.25000-01	897.00	.2417	.1978	.2052	.5916-02	.4841-02	.5046-02	3.362	30.84	567.8
162	.70000	.10000-00	898.00	.2657	.2175	.2372	.6502-02	.5324-02	.5605-02	3.707	25.52	565.9
162	.70000	.20000	899.00	.2187	.1794	.1972	.5353-02	.4369-02	.4827-02	3.077	18.88	561.1
162	.70000	.30000	900.00	.1732	.1420	.1558	.4238-02	.3475-02	.3838-02	2.437	14.95	560.9
162	.70000	.40000	901.00	.1551	.1271	.1404	.3795-02	.3111-02	.3437-02	2.179	13.75	561.8
162	.70000	.60000	902.00	.1418	.1162	.1285	.3469-02	.2845-02	.3144-02	1.994	12.59	561.1
162	.70000	.90000	903.00	.9530-01	.7840-01	.8970-01	.2333-02	.1919-02	.2196-02	1.364	9.767	551.3
162	.75000	.00000	904.00	.1006	.8290-01	.9190-01	.2461-02	.2030-02	.2249-02	1.463	11.65	541.7
162	.75000	.25000-01	905.00	.3143	.2565	.2671	.7693-02	.6278-02	.6538-02	4.306	33.72	576.2
162	.75000	.50000-01	906.00	.3475	.2842	.3047	.8504-02	.6954-02	.7457-02	4.817	35.32	569.5
162	.75000	.10000-00	907.00	.2999	.2453	.2676	.7339-02	.6004-02	.6549-02	4.166	28.65	568.3

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
162	.75000	.20000	908.00	.2078	.1704	.1875	.5085-02	.4170-02	.4588-02	2.927	20.21	560.3
162	.75000	.30000	909.00	.1757	.1441	.1588	.4299-02	.3527-02	.3688-02	2.480	15.67	559.1
162	.75000	.40000	910.00	.1498	.1228	.1355	.3666-02	.3006-02	.3316-02	2.108	13.70	560.8
162	.75000	.60000	911.00	.1389	.1139	.1259	.3399-02	.2788-02	.3081-02	1.959	13.12	559.6
162	.75000	.80000	912.00	.1073	.8810-01	.9910-01	.2626-02	.2155-02	.2426-02	1.519	12.45	557.4
162	.75000	.90000	913.00	.9860-01	.8110-01	.9680-01	.2412-02	.1985-02	.2270-02	1.413	10.29	550.2
162	.75000	.95000	914.00	.6800-01	.5600-01	.5440-01	.1664-02	.1370-02	.1577-02	.9770	7.363	548.8
162	.80000	.00000	915.00	.2470	.2017	.2246	.6044-02	.4936-02	.5495-02	3.400	31.09	573.5
162	.80000	.20000	916.00	.2128	.1745	.1521	.5208-02	.4272-02	.4702-02	2.998	20.70	560.3
162	.80000	.40000	917.00	.1577	.1293	.1425	.3860-02	.3164-02	.3487-02	2.217	15.79	561.5
162	.80000	.60000	918.00	.1060	.8720-01	.9570-01	.2595-02	.2134-02	.2440-02	1.516	11.03	551.9
162	.85000	.00000	919.00	.2711	.2218	.2467	.6835-02	.5428-02	.5038-02	3.766	29.60	568.4
162	.85000	.20000	920.00	.2235	.1832	.2013	.5470-02	.4485-02	.4927-02	3.142	22.38	561.5
162	.85000	.40000	921.00	.1833	.1503	.1654	.4486-02	.3678-02	.4049-02	2.577	18.97	561.5
162	.90000	.00000	922.00	.1445	.1187	.1318	.3537-02	.2905-02	.3225-02	2.052	16.23	555.8
162	.90000	.20000	923.00	.2250	.1846	.2017	.5506-02	.4517-02	.4936-02	3.175	23.39	559.4
162	.90000	.40000	924.00	.2223	.1822	.1598	.5441-02	.4460-02	.4891-02	3.122	22.23	562.3
162	.90000	.60000	925.00	.2108	.1728	.1500	.5158-02	.4229-02	.4092-02	2.964	21.11	561.5
162	.90000	.80000	926.00	.1850	.1517	.1672	.4528-02	.3713-02	.4092-02	2.605	18.56	560.8
162	.90000	.00000	927.00	.1299	.1067	.1199	.3180-02	.2611-02	.2933-02	1.842	14.31	556.7
162	.90000	.20000	928.00	.9970-01	.8200-01	.9400-01	.2441-02	.2006-02	.2300-02	1.423	11.27	552.8
162	.95000	.00000	929.00	.7830-01	.6460-01	.7150-01	.1916-02	.1580-02	.1751-02	1.137	8.453	542.4
162	.95000	.50000-01	930.00	.1380	.1135	.1217	.3378-02	.2778-02	.2979-02	1.976	14.15	551.1
162	.95000	.10000-00	931.00	.1656	.1360	.1478	.4052-02	.3329-02	.3618-02	2.354	17.39	554.9
162	.95000	.20000	932.00	.1956	.1638	.1799	.4885-02	.4009-02	.4403-02	2.820	19.49	558.7
162	.95000	.30000	933.00	.2033	.1667	.1835	.4975-02	.4080-02	.4491-02	2.863	20.41	560.5
162	.95000	.50000	934.00	.1541	.1265	.1395	.3772-02	.3095-02	.3413-02	2.177	16.05	558.9
162	.95000	.70000	935.00	.1388	.1139	.1267	.3397-02	.2788-02	.3100-02	1.963	14.72	558.1
162	.95000	.80000	936.00	.1381	.1135	.1282	.3379-02	.2777-02	.3138-02	1.966	14.52	554.2
162	.95000	.90000	937.00	.9250-01	.7610-01	.8710-01	.2663-02	.1863-02	.2131-02	1.329	10.01	548.9

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(RV1L08)

04-498 (AEDC V418-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPDRK = .0000
 BOFLAP = .0000 MACH = 8.000

...TEST CONDITIONS...

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
133	7.970	1.529	45.14	.0000	180.0	319.8	3400-01	1271.	92.80	1.493	3762.	.3036-04
134	7.970	1.531	45.12	.0000	180.0	322.0	3400-01	1276.	93.10	1.503	3768.	.3046-04
135	7.970	1.518	45.11	.0000	180.0	326.7	3400-01	1280.	93.40	1.497	3774.	.3024-04

RUN NUMBER	MJ	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
133	7.70-07	.2939-01	.3301-01	0.0175
134	7.96-07	.3001-01	.3297-01	
135	7.519-07	.2997-01	.3309-01	

...TEST DATA...

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H19T01 BTU/ R FT ² SEC	H1T01 BTU/ R FT ² SEC	H1TAM1 BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTMDT DEG. R /SEC	TW DEG. R
135	30000	.00000	845.00	.4300-01	.3550-01	.3530-01	.1288-02	.1063-02	.1177-02	.7790	8.661	547.1
135	30000	.50000-01	846.00	.1516	.1242	.1336	.4544-02	.3722-02	.4004-02	2.633	28.91	572.4
135	30000	.10000+00	847.00	.1317	.1061	.1167	.3947-02	.3238-02	.3438-02	2.309	19.57	566.6
135	30000	.20000	848.00	.1325	.1089	.1185	.3972-02	.3232-02	.3551-02	2.336	16.63	563.5
135	30000	.40000	850.00	.8270-01	.6770-01	.7440-01	.2477-02	.2030-02	.2229-02	1.439	10.21	570.7
135	30000	.50000	851.00	.7840-01	.6420-01	.7100-01	.2348-02	.1922-02	.2127-02	1.357	9.931	573.7
135	30000	.60000	852.00	.7500-01	.6140-01	.6790-01	.2247-02	.1840-02	.2034-02	1.298	9.499	573.9
135	30000	.70000	853.00	.7000-01	.5730-01	.6340-01	.2097-02	.1717-02	.1901-02	1.212	8.578	574.0
135	30000	.80000	854.00	.6590-01	.5110-01	.5880-01	.1789-02	.1472-02	.1671-02	1.062	7.699	573.8
135	30000	.90000	855.00	.5970-01	.4910-01	.5580-01	.1566-02	.1210-02	.1346-02	1.005	6.836	555.3
135	35000	.00000	857.00	.1449	.1191	.1221	.4340-02	.3569-02	.3860-02	2.569	21.84	559.9
135	40000	.00000	858.00	.1590	.1301	.1447	.4765-02	.3938-02	.4336-02	2.742	27.33	576.3
135	40000	.50000-01	859.00	.3323	.2711	.2673	.9557-02	.8124-02	.6610-02	5.646	39.76	584.7
135	40000	.10000+00	860.00	.2427	.1933	.2144	.7272-02	.5944-02	.6425-02	4.165	29.41	579.0
135	40000	.20000	861.00	.1536	.1258	.1323	.4604-02	.3769-02	.4144-02	2.612	19.47	573.7
135	40000	.30000	862.00	.1253	.1025	.1134	.3753-02	.3071-02	.3397-02	2.162	15.29	575.6

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RV1L081)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAH)	H(IST) BTU/R FT2SEC	H(ITO) BTU/R FT2SEC	H(TAH) BTU/R FT2SEC	QOOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
135	40000	40000	863.00	1064	8710-01	9640-01	3189-02	2609-02	2887-02	1.838	13.90	575.5
135	40000	60000	864.00	1011	8280-01	9130-01	3028-02	2481-02	2737-02	1.756	11.69	572.0
135	40000	70000	865.00	1114	9120-01	1009	3338-02	2416-02	3023-02	1.934	12.87	572.5
135	40000	75000	866.00	9840-01	8060-01	8940-01	2948-02	2321-02	2680-02	1.715	12.57	570.1
135	40000	85000	867.00	9430-01	7750-01	8720-01	2827-02	2321-02	2614-02	1.661	12.42	564.2
135	40000	90000	868.00	8210-01	6750-01	7720-01	2460-02	2021-02	2315-02	1.451	12.32	562.0
135	40000	95000	869.00	7180-01	5910-01	6810-01	2152-02	1770-02	2041-02	1.275	10.25	559.3
135	50000	00000	871.00	4167	3387	3760	1249-01	1015-01	1133-01	6.939	55.78	596.1
135	50000	50000-01	872.00	3262	2659	2832	9776-02	7969-02	8486-02	5.518	41.48	587.4
135	50000	10000-00	873.00	2069	1693	1843	6200-02	5074-02	5523-02	3.573	26.12	575.6
135	50000	20000	874.00	1486	1217	1341	4453-02	3648-02	4017-02	2.585	18.32	571.3
135	50000	30000	875.00	1191	9760-01	1077	3569-02	2924-02	3226-02	2.069	14.66	572.2
135	50000	40000	876.00	1075	8900-01	9730-01	3221-02	2639-02	2914-02	1.665	13.21	572.8
135	50000	50000	877.00	9770-01	8000-01	8850-01	2927-02	2397-02	2651-02	1.696	11.64	572.3
135	50000	60000	878.00	7790-01	6400-01	7060-01	2335-02	1919-02	2122-02	1.379	10.69	561.1
135	55000	00000	879.00	5386	4315	4850	1514-01	1293-01	1453-01	8.318	68.10	636.4
135	60000	00000	880.00	5138	4122	4630	1540-01	1235-01	1367-01	8.000	71.10	632.2
135	60000	25000-01	881.00	6428	5182	5430	1926-01	1553-01	1627-01	6.019	75.88	619.4
135	60000	50000-01	882.00	3673	2976	3183	1101-01	8919-02	9538-02	6.282	45.47	604.9
135	60000	75000-01	883.00	3766	3062	3325	1128-01	9175-02	9963-02	4.990	35.19	595.1
135	60000	10000-00	884.00	2923	2387	2611	8759-02	7152-02	7824-02	3.098	21.94	573.4
135	60000	20000	885.00	1788	1464	1616	5357-02	4386-02	4842-02	2.193	17.52	574.1
135	60000	30000	886.00	1522	1246	1146	4560-02	3733-02	4121-02	2.026	15.03	575.4
135	60000	40000	887.00	1270	1039	1375	3805-02	3114-02	3435-02	1.878	13.90	572.7
135	60000	50000	888.00	1167	9560-01	1057	3498-02	2865-02	3167-02	1.489	12.91	570.4
135	60000	60000	889.00	1078	8840-01	9770-01	3231-02	2648-02	2927-02	1.808	13.09	563.9
135	60000	80000	891.00	8450-01	6940-01	7810-01	2533-02	2080-02	2341-02	1.510	10.95	561.4
135	60000	92.00	892.00	1022	8400-01	9450-01	3062-02	2516-02	2845-02	1.437	11.33	558.0
135	60000	93.00	893.00	6490-01	6980-01	8010-01	2543-02	2092-02	2399-02	5.437	45.36	597.8
135	65000	00000	895.00	3275	5280-01	6060-01	1921-02	1582-02	1823-02	2.514	32.41	577.0
135	70000	00000	896.00	1460	2661	2970	9814-02	7972-02	8893-02	4.175	38.12	577.0
135	70000	25000-01	897.00	2424	1194	1328	4375-02	3578-02	3980-02	4.534	31.47	576.5
135	70000	10000-00	898.00	2665	2180	2378	7263-02	5941-02	7126-02	3.662	22.34	572.9
135	70000	20000	899.00	2111	1729	1903	6326-02	5181-02	5701-02	3.054	18.65	570.1
135	70000	30000	900.00	1752	1436	1566	5249-02	4303-02	4753-02	2.506	15.74	570.6
135	70000	40000	901.00	1593	1305	1442	4772-02	3911-02	4321-02	1.839	13.11	559.3
135	70000	60000	902.00	1439	1179	1304	4311-02	2552-02	2921-02	2.252	17.91	544.2
135	70000	90000	903.00	1036	8520-01	9750-01	3104-02	2552-02	2921-02	5.432	42.29	587.4
135	75000	00000	904.00	1237	1022	1131	3706-02	3061-02	3388-02	5.607	42.35	580.2
135	75000	25000-01	905.00	3212	2618	2727	9625-02	7845-02	8172-02	5.160	35.29	579.6
135	75000	50000-01	906.00	3390	2770	2971	1016-01	8301-02	8904-02			
135	75000	10000-00	907.00	3009	2459	2664	9018-02	7370-02	8043-02			

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AEDC VKF V418-57A (OH-498) COLLATION DECK

OH-498 (AEDC V418-57A) ORBITER LOWER WING

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RUN NUMBER	2Y/F	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (1AN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1AH) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TM DEG. R
135	75000	20000	908.00	2043	1673	1842	6121-02	5014-02	5520-02	3.547	24.34	572.4
135	75000	30000	909.00	1735	1423	1569	5200-02	4264-02	4702-02	3.031	19.05	569.0
135	75000	40000	910.00	1521	1247	1375	4558-02	3735-02	4121-02	2.650	17.13	570.5
135	75000	50000	911.00	1427	1170	1294	4276-02	3507-02	3876-02	2.498	16.67	567.6
135	75000	60000	912.00	1195	9800-01	1104	3581-02	2938-02	3308-02	2.094	17.08	567.2
135	75000	70000	913.00	1072	8820-01	1109	3213-02	2644-02	3024-02	1.909	13.85	557.8
135	75000	80000	914.00	8000-01	6590-01	7580-01	2398-02	1974-02	2272-02	1.430	10.74	555.2
135	80000	90000	915.00	2518	2054	2288	7544-02	6156-02	6856-02	4.282	38.95	584.2
135	80000	20000	916.00	2257	1848	2136	6763-02	5539-02	6100-02	3.916	26.87	572.7
135	80000	40000	917.00	1568	1284	1416	4697-02	3847-02	4242-02	2.719	19.26	572.9
135	80000	60000	918.00	1111	9140-01	1113	3330-02	2738-02	3131-02	1.970	14.27	560.2
135	85000	80000	919.00	2610	2134	2375	7821-02	6395-02	7115-02	4.489	35.11	577.9
135	85000	20000	920.00	2280	1866	2051	6831-02	5591-02	6147-02	3.940	27.87	575.1
135	85000	40000	921.00	1792	1466	1615	5369-02	4393-02	4840-02	3.092	22.60	575.9
135	90000	60000	922.00	1439	1183	1312	4311-02	3545-02	3933-02	2.552	20.14	559.9
135	90000	80000	923.00	2237	1884	2059	6884-02	5644-02	6170-02	4.012	29.42	589.0
135	90000	20000	924.00	2201	1802	1577	6595-02	5399-02	5923-02	3.808	26.95	574.4
135	90000	40000	925.00	2095	1714	1687	6277-02	5137-02	5654-02	3.619	25.60	575.3
135	90000	60000	926.00	1769	1447	1596	5300-02	4337-02	4784-02	3.057	21.63	575.0
135	90000	80000	927.00	1358	1115	1253	4070-02	3341-02	3754-02	2.385	18.44	565.8
135	95000	20000	928.00	9950-01	8180-01	9370-01	2981-02	2450-02	2808-02	1.759	13.88	561.6
135	95000	40000	929.00	8020-01	6620-01	7330-01	2403-02	1984-02	2197-02	1.457	10.81	545.4
135	95000	60000	930.00	1398	1151	1233	4188-02	3448-02	3696-02	2.498	17.85	555.2
135	95000	80000	931.00	1649	1355	1472	4941-02	4059-02	4412-02	2.911	21.41	562.7
135	95000	20000	932.00	1991	1632	1793	5965-02	4891-02	5373-02	3.476	23.89	589.1
135	95000	40000	933.00	2015	1650	1817	6037-02	4944-02	5446-02	3.495	24.75	573.0
135	95000	60000	934.00	1492	1223	1350	4472-02	3666-02	4044-02	2.604	19.10	569.4
135	95000	80000	935.00	1460	1197	1231	4374-02	3587-02	3940-02	2.551	19.03	568.6
135	95000	20000	936.00	1400	1150	1300	4195-02	3446-02	3812-02	2.471	18.18	562.8
135	95000	40000	937.00	9210-01	7580-01	8670-01	2760-02	2271-02	2555-02	1.641	12.32	557.0

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04-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
106	7.980	1.999	45.09	.0000	180.0	429.1	.4500-01	1291.	94.00	1.991	3790.	.3989-04
107	7.980	2.021	45.15	.0000	180.0	433.4	.4500-01	1290.	93.90	2.011	3789.	.4032-04
108	7.980	2.010	45.10	.0000	180.0	431.4	.4500-01	1290.	93.90	2.002	3790.	.4012-04

RUN NUMBER	MU	HREF	ST FR R =
106	7555-07	BTU/ R FT2SEC	0.0175
107	7558-07	.3461-01	.2884-01
108	7562-07	.3478-01	.2868-01
		.3470-01	.2876-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(STOI) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTAOT DEG. R /SEC	TW DEG. R
108	30000	.00000	845.00	.4480-01	.3710-01	.4100-01	.1554-02	.1286-02	.1422-02	.9820	10.73	541.8
108	30000	.50000-01	846.00	.1476	.1210	.1302	.5123-02	.4200-02	.4517-02	3.009	33.02	573.8
108	30000	.10000-00	847.00	.1228	.1009	.1089	.4262-02	.3502-02	.3781-02	2.531	21.43	567.3
108	30000	.20000	848.00	.1324	.1089	.1185	.4595-02	.3780-02	.4113-02	2.749	19.57	562.8
108	30000	.40000	850.00	.8100-01	.6650-01	.7290-01	.2812-02	.2306-02	.2531-02	1.655	11.72	572.6
108	30000	.50000	851.00	.8140-01	.6670-01	.7380-01	.2826-02	.2315-02	.2560-02	1.651	12.06	576.8
108	30000	.60000	852.00	.6930-01	.7360-01	.8140-01	.3121-02	.2555-02	.2825-02	1.819	13.28	578.2
108	30000	.70000	853.00	.1108	.9070-01	.1005	.3845-02	.3148-02	.3486-02	2.241	15.83	578.3
108	30000	.80000	854.00	.1415	.1159	.1230	.4910-02	.4023-02	.4477-02	2.872	20.99	576.2
108	30000	.90000	855.00	.9170-01	.7570-01	.6580-01	.3183-02	.2625-02	.2976-02	1.933	14.05	554.0
108	30000	.95000	856.00	.9860-01	.8140-01	.9310-01	.3421-02	.2623-02	.3231-02	2.086	14.94	551.1
108	35000	.00000	857.00	.8180-01	.6740-01	.7470-01	.2840-02	.2340-02	.2594-02	1.716	14.61	556.9
106	40000	.00000	858.00	.1565	.1282	.1425	.5431-02	.4449-02	.4945-02	3.173	31.60	576.9
108	40000	.50000-01	859.00	.3293	.2688	.2848	.1143-01	.9325-02	.9884-02	6.544	46.00	588.4
108	40000	.10000-00	860.00	.2416	.1976	.2136	.8384-02	.6847-02	.7411-02	4.855	34.24	582.0
108	40000	.20000	861.00	.1517	.1243	.1356	.5266-02	.4315-02	.4742-02	3.082	22.53	575.8
108	40000	.30000	862.00	.1287	.1054	.1165	.4466-02	.3657-02	.4044-02	2.606	18.42	577.5

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-98 (AEDC V41B-57A) ORBITER LOWER WING

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(RV1108)

RUN NUMBER	2Y/8	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAM)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTNOT DEG. R /SEC	IN DEG. R
108	40000	40000	863.00	.1172	.9600-01	.1061	4067-02	.3330-02	.3684-02	2.370	17.90	578.3
108	40000	60000	864.00	.1211	.9920-01	.1034	4338-02	.3443-02	.3797-02	2.462	16.37	575.0
108	40000	70000	865.00	.1538	.1261	.1393	5338-02	.4375-02	.4835-02	3.126	20.77	575.5
108	40000	75000	866.00	.1386	.1137	.1261	4810-02	.3945-02	.4375-02	2.832	20.73	572.4
108	40000	80000	867.00	.1322	.1087	.1223	4598-02	.3773-02	.4244-02	2.741	20.50	563.6
108	40000	85000	868.00	.1194	.9830-01	.1124	4144-02	.3411-02	.3902-02	2.488	21.14	560.6
108	40000	90000	869.00	.1083	.8920-01	.1028	3757-02	.3036-02	.3567-02	2.268	18.25	557.4
108	50000	00000	871.00	.4210	.3423	.3819	1461-01	.1188-01	.1325-01	8.195	65.75	600.2
108	50000	50000-01	872.00	.3175	.2587	.2755	1102-01	.8978-02	.9562-02	6.261	46.94	592.8
108	50000	10000+00	873.00	.2084	.1706	.1857	7231-02	.5920-02	.6443-02	4.214	20.76	578.3
108	50000	20000	874.00	.1460	.1197	.1318	5067-02	.4155-02	.4574-02	2.978	21.09	573.5
108	50000	30000	875.00	.1239	.1016	.1121	4301-02	.3527-02	.3890-02	2.527	17.89	573.7
108	50000	40000	876.00	.1158	.9480-01	.1049	4018-02	.3291-02	.3636-02	2.345	16.57	577.5
108	50000	50000	877.00	.1159	.9570-01	.1059	4056-02	.3321-02	.3674-02	2.363	16.17	578.6
108	50000	60000	878.00	.1051	.8500-01	.1059	3648-02	.3002-02	.3318-02	2.186	16.93	561.9
108	55000	00000	879.00	.5296	.4233	.4753	1838-01	.1469-01	.1653-01	9.449	76.96	646.9
108	60000	00000	880.00	.5101	.4084	.4532	1770-01	.1417-01	.1593-01	9.171	81.07	643.0
108	60000	25000-01	881.00	.6377	.5130	.5378	2213-01	.1780-01	.1866-01	11.74	86.44	630.4
108	60000	50000-01	882.00	.3635	.2940	.3146	1261-01	.1030-01	.1092-01	6.892	64.45	614.7
108	60000	75000-01	883.00	.3687	.2934	.3232	1279-01	.1039-01	.1129-01	7.131	51.40	603.7
108	60000	10000+00	884.00	.2823	.2304	.2521	9797-02	.7996-02	.8749-02	5.610	39.43	588.5
108	60000	20000	885.00	.1811	.1483	.1637	6286-02	.5148-02	.5682-02	3.668	25.92	577.6
108	60000	30000	886.00	.1564	.1280	.1413	5426-02	.4441-02	.4903-02	3.156	20.93	579.5
108	60000	40000	887.00	.1319	.1079	.1130	4577-02	.3745-02	.4131-02	2.659	18.18	580.2
108	60000	50000	888.00	.1261	.1032	.1141	4374-02	.3581-02	.3960-02	2.548	17.43	578.6
108	60000	60000	889.00	.1185	.9710-01	.1074	4114-02	.3370-02	.3727-02	2.405	16.48	576.4
108	60000	70000	891.00	.1023	.8400-01	.9450-01	3551-02	.2915-02	.3282-02	2.100	15.39	569.8
108	60000	80000	892.00	.1165	.9590-01	.1033	4043-02	.3324-02	.3757-02	2.410	17.42	564.9
108	60000	90000	893.00	.1029	.8470-01	.9710-01	3572-02	.2939-02	.3371-02	2.139	16.01	562.3
108	60000	95000	894.00	.8050-01	.6540-01	.7630-01	2798-02	.2305-02	.2656-02	1.690	12.68	556.9
108	65000	00000	895.00	.3210	.2606	.2910	1114-01	.9043-02	.1010-01	6.203	51.59	604.1
108	70000	00000	896.00	.1451	.1188	.1321	5035-02	.4122-02	.4583-02	2.931	37.75	578.9
108	70000	25000-01	897.00	.2456	.2009	.2034	8521-02	.6971-02	.7337-02	4.944	45.06	580.9
108	70000	50000	898.00	.2606	.2130	.2324	9045-02	.7390-02	.8066-02	5.212	35.55	584.8
108	70000	75000	899.00	.2161	.1769	.1947	7501-02	.6137-02	.6756-02	4.356	26.47	580.4
108	70000	90000	900.00	.1785	.1462	.1616	6194-02	.5074-02	.5606-02	3.619	22.03	576.9
108	70000	95000	901.00	.1613	.1321	.1450	5599-02	.4584-02	.5066-02	2.261	20.40	578.6
106	70000	00000	902.00	.1508	.1234	.1366	5233-02	.4284-02	.4739-02	2.048	19.06	578.7
108	70000	50000	903.00	.1227	.1008	.1155	4257-02	.3499-02	.4007-02	2.536	18.03	565.4
106	75000	00000	904.00	.1857	.1528	.1675	6444-02	.5302-02	.5880-02	3.959	30.43	562.2
108	75000	25000-01	905.00	.3141	.2559	.2656	1090-01	.8880-02	.9251-02	6.184	48.00	593.7
108	75000	50000	906.00	.3390	.2767	.2959	1176-01	.9602-02	.1030-01	6.744	49.00	587.8
108	75000	10000+00	907.00	.2962	.2416	.2639	1028-01	.8386-02	.9159-02	5.871	39.96	590.0

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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(RVIL08)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
108	.75000	.20000	908.00	.2116	.1730	.1906	.7344-02	.6003-02	.5616-02	4.243	28.97	583.3
108	.75000	.30000	900.00	.1773	.1452	.1602	.6154-02	.5040-02	.5561-02	3.592	22.48	577.4
108	.75000	.40000	910.00	.1536	.1257	.1397	.5329-02	.4361-02	.4815-02	3.097	19.93	579.9
108	.75000	.60000	911.00	.1450	.1187	.1313	.5031-02	.4119-02	.4557-02	2.932	19.46	578.3
108	.75000	.80000	912.00	.1381	.1131	.1275	.4792-02	.3925-02	.4424-02	2.801	22.74	576.6
108	.75000	.90000	913.00	.1289	.1059	.1212	.4472-02	.3676-02	.4207-02	2.664	19.26	565.3
108	.75000	.95000	914.00	.9950-01	.8180-01	.9420-01	.3452-02	.2838-02	.3269-02	2.061	15.41	564.0
108	.80000	.00000	915.00	.2443	.1992	.2219	.8478-02	.6912-02	.7701-02	4.829	43.78	591.5
108	.80000	.20000	916.00	.2151	.1756	.1937	.7464-02	.6092-02	.6721-02	4.277	29.13	588.1
108	.80000	.40000	917.00	.1601	.1308	.1444	.5555-02	.4539-02	.5010-02	3.201	22.54	585.0
108	.80000	.60000	918.00	.1345	.1104	.1264	.4667-02	.3831-02	.4386-02	2.760	19.90	583.8
108	.85000	.00000	919.00	.2677	.2186	.2434	.9288-02	.7587-02	.8445-02	5.344	41.64	585.8
108	.85000	.20000	920.00	.2200	.1794	.1976	.7633-02	.6225-02	.6856-02	4.355	30.53	590.5
108	.85000	.40000	921.00	.1784	.1454	.1605	.6189-02	.5047-02	.5570-02	3.530	25.61	590.8
108	.90000	.00000	922.00	.1442	.1185	.1315	.5003-02	.4111-02	.4562-02	2.975	23.41	586.4
108	.90000	.20000	923.00	.2258	.1955	.2030	.7870-02	.6436-02	.7043-02	4.559	33.22	591.7
108	.90000	.40000	924.00	.2159	.1760	.1935	.7492-02	.6108-02	.6714-02	4.028	29.94	592.0
108	.90000	.60000	925.00	.2040	.1663	.1833	.6092-02	.4968-02	.5489-02	3.475	24.40	590.7
108	.90000	.80000	926.00	.1756	.1432	.1582	.5138-02	.4204-02	.4732-02	2.983	22.89	580.6
108	.90000	.00000	927.00	.1481	.1211	.1354	.3685-02	.3023-02	.3470-02	2.170	17.02	572.3
108	.95000	.00000	928.00	.1062	.0710-01	.1000+00	.2904-02	.2398-02	.2655-02	1.774	13.13	550.5
108	.95000	.20000	929.00	.8370-01	.6910-01	.7650-01	.5016-02	.4126-02	.4424-02	6.997	21.33	563.6
108	.95000	.40000	930.00	.1446	.1189	.1275	.5784-02	.4742-02	.5159-02	3.395	24.84	574.1
108	.95000	.60000	931.00	.1657	.1367	.1487	.6728-02	.5499-02	.6050-02	3.884	26.51	583.8
108	.95000	.80000	932.00	.1939	.1585	.1743	.6772-02	.5525-02	.6096-02	3.868	27.17	589.9
108	.95000	.00000	933.00	.1952	.1592	.1757	.5079-02	.4150-02	.4563-02	2.927	21.30	584.8
108	.95000	.20000	934.00	.1464	.1196	.1321	.6315-02	.5159-02	.5750-02	3.636	26.90	585.3
108	.95000	.40000	935.00	.1487	.1187	.1280	.6483-02	.5308-02	.6013-02	3.780	27.60	578.0
108	.95000	.60000	936.00	.1868	.1530	.1733	.4539-02	.3726-02	.4270-02	2.682	19.99	570.1
108	.95000	.80000	937.00	.1308	.1074	.1230						

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BDFLAP = .0000 MACH = 6.0000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
82	7.590	2.509	45.10	.0000	180.0	548.2	5700-01	1303.	94.50	2.530	3808.	.5019-04
83	7.990	2.497	45.11	.0000	180.0	546.6	5600-01	1304.	94.70	2.522	3811.	.4998-04
84	7.990	2.496	45.13	.0000	180.0	547.3	5700-01	1306.	94.50	2.526	3813.	.4999-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
82	.7618-07	.3908-01		0.0175
83	.7627-07	.3303-01		.2574-01
84	.7637-07	.3906-01		.2579-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(970) BTU/ R FT2SEC	H(101) BTU/ R FT2SEC	H(141) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
84	.30000	.00000	845.00	.4470-01	.3700-01	.4090-01	.1744-02	.1445-02	.1597-02	1.098	12.22	546.0
84	.30000	.50000-01	846.00	.1475	.1208	.1300	.5762-02	.4719-02	.5076-02	3.406	37.19	584.1
84	.30000	.10000+00	847.00	.1412	.1160	.1252	.5517-02	.4531-02	.4892-02	3.310	27.92	575.5
84	.30000	.20000	848.00	.1343	.1104	.1202	.5245-02	.4314-02	.4693-02	3.174	22.51	570.3
84	.30000	.40000	850.00	.7820-01	.6410-01	.7030-01	.3054-02	.2503-02	.2747-02	1.813	12.78	581.7
84	.30000	.50000	851.00	.9560-01	.7820-01	.8660-01	.3736-02	.3056-02	.3381-02	2.193	15.93	588.2
84	.30000	.60000	852.00	.1269	.1038	.1148	.4958-02	.4053-02	.4485-02	2.902	21.06	590.0
84	.30000	.70000	853.00	.1759	.1436	.1592	.6870-02	.5611-02	.6220-02	3.998	28.03	593.5
84	.30000	.80000	854.00	.2282	.1863	.2076	.8913-02	.7275-02	.8110-02	5.171	37.44	593.1
84	.30000	.90000	855.00	.1427	.1174	.1333	.5572-02	.4587-02	.5205-02	3.390	24.48	566.9
84	.35000	.95000	856.00	.1501	.1236	.1416	.5861-02	.4829-02	.5532-02	3.580	25.46	564.6
84	.35000	.00000	857.00	.9510-01	.7840-01	.8690-01	.3716-02	.3064-02	.3395-02	2.279	19.35	562.1
84	.40000	.00000	858.00	.1599	.1309	.1456	.6247-02	.5111-02	.5685-02	3.673	36.40	587.4
84	.40000	.50000-01	859.00	.3284	.2675	.2836	.1293-01	.1045-01	.1108-01	7.365	51.45	601.1
84	.40000	.10000+00	860.00	.2427	.1981	.2143	.9479-02	.7739-02	.8369-02	5.507	38.60	594.4
84	.40000	.20000	861.00	.1537	.1258	.1383	.6003-02	.4912-02	.5401-02	3.529	25.64	587.6
84	.40000	.30000	862.00	.1378	.1126	.1246	.5381-02	.4400-02	.4868-02	3.150	22.12	590.0

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL08)

OH-49B (AEDC V41B-57A) OFBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(10) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(10) BTU/R FT2SEC	QDOT BTU/R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
84	40000	40000	863.00	.1405	.1148	.1271	.5489-02	.4486-02	.4966-02	.4966-02	3.205	24.05	591.4
84	40000	60000	864.00	.1899	.1553	.1714	.7417-02	.6053-02	.6695-02	.6695-02	4.346	28.68	599.5
84	40000	70000	865.00	.2290	.1863	.2062	.8906-02	.7277-02	.8053-02	.8053-02	5.194	34.23	592.2
84	40000	75000	866.00	.2075	.1697	.1884	.8104-02	.6629-02	.7360-02	.7360-02	4.757	34.55	588.3
84	40000	85000	867.00	.1921	.1577	.1775	.7505-02	.6158-02	.6935-02	.6935-02	4.482	33.27	578.2
84	40000	90000	868.00	.1725	.1416	.1623	.6737-02	.5532-02	.6338-02	.6338-02	4.039	34.06	575.9
84	40000	95000	869.00	.1619	.1330	.1535	.6233-02	.5195-02	.5996-02	.5996-02	3.803	30.36	573.8
84	50000	00000	871.00	.4194	.3402	.3801	.1638-01	.1329-01	.1483-01	.1483-01	9.185	73.17	614.8
84	50000	50000-01	872.00	.3201	.2603	.2772	.1250-01	.1017-01	.1083-01	.1083-01	7.097	52.81	607.8
84	50000	10000-00	873.00	.2085	.1704	.1656	.3146-02	.6657-02	.7250-02	.7250-02	4.759	34.51	591.2
84	50000	20000	874.00	.1521	.1245	.1372	.5941-02	.4864-02	.5358-02	.5358-02	3.504	24.67	585.6
84	50000	30000	875.00	.1325	.1089	.1202	.5193-02	.4252-02	.4693-02	.4693-02	3.063	21.56	585.7
84	50000	40000	876.00	.1325	.1084	.1198	.5175-02	.4233-02	.4679-02	.4679-02	3.040	21.37	588.0
84	50000	50000	877.00	.1668	.354	.1510	.6516-02	.5327-02	.5896-02	.5896-02	3.811	25.92	590.5
84	50000	60000	878.00	.1572	.1291	.1428	.6141-02	.5042-02	.5788-02	.5788-02	3.679	28.30	576.2
84	55000	00000	879.00	.5215	.4149	.4681	.2037-01	.1621-01	.1828-01	.1828-01	10.35	83.52	667.1
84	60000	00000	880.00	.5090	.4055	.4571	.1888-01	.1584-01	.1786-01	.1786-01	10.17	89.05	663.7
84	60000	25000-01	881.07	.6312	.5051	.5300	.2465-01	.1973-01	.2070-01	.2070-01	12.90	93.96	682.1
84	60000	50000-01	882.00	.3523	.2918	.3127	.1415-01	.1140-01	.1221-01	.1221-01	7.652	70.87	634.7
84	60000	75000-01	883.00	.3739	.3024	.3290	.1460-01	.1181-01	.1265-01	.1265-01	8.074	57.68	632.4
84	60000	10000-00	884.00	.2865	.2332	.2554	.1119-01	.9109-02	.9977-02	.9977-02	6.393	44.59	604.1
84	60000	20000	885.00	.1666	.1525	.1685	.7287-02	.5957-02	.6580-02	.6580-02	4.262	29.93	590.5
84	60000	30000	886.00	.1661	.1357	.1499	.6488-02	.5301-02	.5857-02	.5857-02	3.784	24.94	592.1
84	60000	40000	887.00	.1470	.1201	.1326	.5743-02	.4692-02	.5179-02	.5179-02	3.346	22.73	592.6
84	60000	50000	888.00	.1428	.1167	.1291	.5577-02	.4559-02	.5044-02	.5044-02	3.263	22.20	590.2
84	60000	60000	889.00	.1464	.1198	.1325	.5718-02	.4677-02	.5176-02	.5176-02	3.358	22.87	588.0
84	60000	85000	891.00	.1403	.1151	.1296	.5479-02	.4494-02	.5062-02	.5062-02	3.266	23.83	579.2
84	60000	95000	892.00	.1576	.1294	.1464	.6155-02	.5054-02	.5717-02	.5717-02	3.690	26.53	575.8
84	60000	95000	893.00	.1443	.1186	.1361	.5637-02	.4634-02	.5317-02	.5317-02	3.401	25.32	572.1
84	60000	95000	894.00	.1201	.9990-01	.1140	.4692-02	.3863-02	.4452-02	.4452-02	2.856	21.32	566.7
84	65000	00000	895.00	.3209	.2601	.2907	.1254-01	.1016-01	.1136-01	.1136-01	7.004	57.89	616.6
84	70000	00000	896.00	.1476	.1207	.1343	.5767-02	.4716-02	.5247-02	.5247-02	3.378	43.26	589.7
84	70000	25000-01	897.00	.2447	.1939	.2084	.9560-02	.7807-02	.8141-02	.8141-02	5.562	50.37	593.6
84	70000	10000-00	898.00	.2574	.2098	.2232	.1005-01	.8193-02	.8951-02	.8951-02	5.779	39.12	600.6
84	70000	20000	899.00	.2243	.1832	.2016	.8753-02	.7157-02	.7884-02	.7884-02	5.100	30.79	593.4
84	70000	30000	900.00	.1822	.1490	.1647	.7116-02	.5820-02	.6435-02	.6435-02	4.175	25.26	588.7
84	70000	40000	901.00	.1719	.1405	.1554	.6713-02	.5489-02	.6070-02	.6070-02	3.931	24.45	589.8
84	70000	60000	902.00	.1654	.1352	.1497	.6460-02	.5282-02	.5846-02	.5846-02	3.782	23.53	589.9
84	70000	90000	903.00	.1917	.1572	.1803	.7488-02	.6142-02	.7041-02	.7041-02	4.461	31.50	579.6
84	75000	00000	904.00	.1977	.1625	.1804	.7723-02	.6347-02	.7045-02	.7045-02	4.653	36.49	572.9
84	75000	25000-01	905.00	.3160	.2569	.2677	.1234-01	.1003-01	.1046-01	.1046-01	7.008	54.02	607.6
84	75000	50000-01	906.00	.3265	.2657	.2854	.1275-01	.1038-01	.1115-01	.1115-01	7.281	52.47	604.5
84	75000	10000-00	907.00	.2968	.2413	.2638	.1159-01	.9424-02	.1031-01	.1031-01	6.583	44.41	607.4

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWEF. WING

(RVIL08)

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
61	7.990	2.932	45.11	.0000	180.0	676.7	.7000-01	1351.	98.10	3.123	3879.	.5973-04
62	7.990	2.961	45.14	.0000	180.0	676.1	.7000-01	1342.	97.50	3.120	3865.	.6010-04
63	7.990	2.968	45.12	.0000	180.0	677.5	.7000-01	1341.	97.40	3.126	3864.	.6025-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
61	.7902-07	.4369-01	.0.0175	.2368-01
62	.7847-07	.4362-01	.2359-01	.2356-01
63	.7844-07	.4366-01	.2356-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(1AW) BTU/ R FT ² SEC	QDOT BTU/ FT ² SEC	DTWOT DEG. R /SEC	TW DEG. R
63	.30000	.00300	845.00	.4420-01	.3660-01	.4050-01	.1928-02	.1599-02	.1767-02	1.258	13.93	554.9
63	.30000	.50000-01	846.00	.1414	.1158	.1246	.6174-02	.5057-02	.5440-02	3.749	40.61	600.1
63	.30000	.10000+00	847.00	.1278	.1050	.1133	.5579-02	.4582-02	.4948-02	3.441	28.81	590.4
63	.30000	.20000	848.00	.1340	.1103	.1200	.5852-02	.4815-02	.5238-02	3.645	25.67	584.4
63	.30000	.40000	850.00	.8660-01	.7100-01	.790-01	.3782-02	.3098-02	.3402-02	2.293	16.07	599.5
63	.30000	.50000	851.00	.1197	.9780-01	.1033	.5227-02	.4272-02	.4723-02	3.136	22.57	607.3
63	.30000	.60000	852.00	.1883	.1537	.1702	.8223-02	.6709-02	.7430-02	4.886	35.06	613.1
63	.30000	.70000	853.00	.2518	.2130	.2366	.1143-01	.9302-02	.1033-01	6.704	46.38	620.7
63	.30000	.80000	854.00	.3028	.2462	.2750	.1322-01	.1075-01	.1201-01	7.719	55.11	623.3
63	.30000	.90000	855.00	.1789	.1472	.1671	.7813-02	.6426-02	.7296-02	4.854	34.72	585.9
63	.30000	.95000	856.00	.1747	.1438	.1648	.7626-02	.6279-02	.7197-02	4.769	33.63	582.0
63	.35000	.00000	857.00	.1092	.9010-01	.9980-01	.4768-02	.3934-02	.4357-02	3.014	25.42	575.2
63	.40000	.00000	858.00	.1633	.1336	.1486	.7132-02	.5835-02	.6490-02	4.304	42.30	603.8
63	.40000	.50000-01	859.00	.3348	.2725	.2890	.1462-01	.1190-01	.1262-01	8.573	59.31	620.8
63	.40000	.10000+00	860.00	.2512	.2049	.2217	.1097-01	.8947-02	.9679-02	6.511	45.20	613.7
63	.40000	.20000	861.00	.1677	.1371	.1508	.7321-02	.5985-02	.6584-02	4.398	31.66	606.6
63	.40000	.30000	862.00	.1734	.1416	.1568	.7572-02	.6182-02	.6844-02	4.516	31.40	610.8

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(19TO) BTU/ R F12SEC	H(1TO) BTU/ R F12SEC	H(1TAW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMDT DEG. R SEC	TH DEG. R
63	40000	40000	863.00	.1867	.1522	.1687	.9151-02	.6847-02	.7366-02	4.833	35.86	614.3
63	40000	60000	864.00	.2745	.2239	.2475	.1199-01	.9774-02	.1080-01	7.107	46.33	614.3
63	40000	70000	865.00	.3167	.2579	.2859	.1383-01	.1126-01	.1248-01	8.133	52.89	619.2
63	40000	75000	866.00	.2878	.2348	.2610	.1257-01	.1025-01	.1140-01	7.461	53.53	613.5
63	40000	80000	867.00	.2400	.1966	.2216	.1048-01	.8594-02	.9676-02	6.373	46.83	599.0
63	40000	90000	868.00	.2148	.1761	.2019	.9377-02	.688-02	.8817-02	5.728	47.82	596.4
63	40000	95000	869.00	.2051	.1683	.1945	.8957-02	.7349-02	.8491-02	5.493	43.41	594.0
63	50000	00000	871.00	.4183	.3389	.3799	.1827-01	.1480-01	.1654-01	10.46	82.48	634.9
63	50000	50000-01	872.00	.3243	.2632	.2806	.1416-01	.1149-01	.1225-01	8.182	60.25	629.4
63	50000	10000+00	873.00	.2197	.1794	.1954	.9591-02	.7831-02	.8532-02	5.726	41.14	610.3
63	50000	20000	874.00	.1664	.1361	.1500	.7267-02	.5944-02	.6951-02	4.380	30.55	604.5
63	50000	30000	875.00	.1625	.1329	.1468	.7095-02	.5801-02	.6407-02	4.267	29.74	605.8
63	50000	40000	876.00	.1787	.1459	.1614	.7802-02	.6371-02	.7049-02	4.662	32.43	609.7
63	50000	50000	877.00	.2438	.1987	.2203	.1065-01	.8677-02	.9618-02	6.293	42.28	616.1
63	50000	60000	878.00	.2131	.1747	.1934	.9305-02	.7626-02	.8445-02	5.668	43.13	598.1
63	55000	00000	879.00	.5264	.4175	.4717	.2298-01	.1823-01	.2059-01	11.81	94.13	693.3
63	60000	00000	880.00	.5186	.4118	.4650	.2754-01	.1798-01	.2030-01	11.71	101.2	690.3
63	60000	25000-01	881.00	.6300	.5024	.5276	.2751-01	.2194-01	.2303-01	14.52	104.4	679.3
63	60000	50000-01	882.00	.3686	.2960	.3174	.1609-01	.1292-01	.1386-01	8.795	80.44	660.8
63	60000	75000-01	883.00	.3830	.3091	.3356	.1672-01	.1349-01	.1470-01	9.375	66.19	646.7
63	60000	10000+00	884.00	.2970	.2414	.2646	.1297-01	.1054-01	.1155-01	7.545	52.08	625.5
63	60000	20000	885.00	.1979	.1616	.1786	.8639-02	.7055-02	.7797-02	5.162	35.91	609.8
63	60000	30000	886.00	.1973	.1610	.1780	.8613-02	.7028-02	.7770-02	5.123	33.43	612.5
63	60000	40000	887.00	.1800	.1469	.1622	.7860-02	.6412-02	.7082-02	4.669	31.40	613.3
63	60000	50000	888.00	.1867	.1524	.1687	.8150-02	.6653-02	.7366-02	4.857	32.70	611.3
63	60000	60000	889.00	.1927	.1574	.1743	.8413-02	.6871-02	.7610-02	5.029	33.89	609.6
63	60000	80000	891.00	.1889	.1547	.1744	.8246-02	.6756-02	.7616-02	5.015	36.24	599.1
63	60000	85000	892.00	.2051	.1682	.1904	.8355-02	.7345-02	.8315-02	5.476	38.98	595.8
63	60000	90000	893.00	.1970	.1618	.1858	.8603-02	.7063-02	.8111-02	5.294	39.04	591.9
63	65000	95000	894.00	.1722	.1417	.1634	.7519-02	.6185-02	.7133-02	5.677	34.60	585.3
63	70000	00000	895.00	.3182	.2577	.2881	.1369-01	.1125-01	.1258-01	7.942	65.04	635.7
63	70000	25000-01	896.00	.1456	.1191	.1325	.6358-02	.5201-02	.5785-02	3.833	48.75	604.3
63	70000	50000+00	897.00	.2453	.2002	.2088	.1071-01	.8741-02	.9115-02	6.378	57.24	611.7
63	70000	75000	898.00	.2675	.2176	.2379	.1168-01	.9503-02	.939-01	6.840	45.82	621.6
63	70000	90000	899.00	.2374	.1937	.2135	.1037-01	.8458-02	.9322-02	6.165	35.87	612.6
63	70000	95000	900.00	.2022	.1653	.1828	.8629-02	.7216-02	.7962-02	5.298	31.78	607.2
63	70000	10000	901.00	.2021	.1586	.1754	.8476-02	.6924-02	.7660-02	5.072	31.26	608.9
63	70000	20000	902.00	.2021	.1650	.1828	.824-02	.7205-02	.7981-02	5.271	32.47	609.9
63	70000	30000	903.00	.2644	.2164	.2485	.1154-01	.9449-02	.1085-01	6.989	48.81	601.7
63	70000	40000	904.00	.2129	.1748	.1941	.9295-02	.7634-02	.8475-02	5.730	44.53	590.9
63	75000	00000	905.00	.3172	.2577	.2685	.1385-01	.1125-01	.1173-01	8.035	61.35	627.2
63	75000	50000-01	906.00	.3317	.2695	.2896	.1440-01	.1177-01	.1265-01	8.419	60.03	626.0
63	75000	10000+00	907.00	.3048	.2474	.2708	.1331-01	.1080-01	.1182-01	7.694	51.36	629.2

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1108)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	I/HREF (TAN)	H1(5T) BTU/R FT2SEC	H1(T) BTU/R FT2SEC	H1(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG/R /SEC	TM DEG/R
63	75000	20000	906.00	.2310	.1882	.077	.1009-01	.8219-02	.9069-02	5.954	39.98	616.9
63	75000	30000	909.00	.1978	.1617	.175	.8636-02	.7058-02	.7794-02	5.182	31.97	607.2
63	75000	40000	910.00	.1842	.1504	.163	.8044-02	.6568-02	.7260-02	4.802	30.44	610.3
63	75000	60000	911.00	.1808	.1477	.1635	.7894-02	.6450-02	.7142-02	4.729	30.92	608.3
63	75000	80000	912.00	.2667	.2176	.2457	.1164-01	.9450-02	.1073-01	6.916	55.14	613.3
63	90000	90000	913.00	.2822	.2312	.2652	.1232-01	.1009-01	.1158-01	5.323	53.23	599.3
63	75000	95000	914.00	.2291	.1877	.2167	.1000-01	.8197-02	.9463-02	7.491	44.82	597.7
63	80000	00000	915.00	.2540	.2065	.2304	.1109-01	.9018-02	.1006-01	6.475	57.79	623.3
63	80000	20000	916.00	.2362	.1921	.2123	.1031-01	.8399-02	.9268-02	6.032	40.40	622.3
63	80000	40000	917.00	.1889	.1539	.1701	.8249-02	.6722-02	.7428-02	4.869	33.75	617.0
63	80000	60000	918.00	.2944	.2406	.2762	.1286-01	.1050-01	.1206-01	7.701	54.48	608.3
63	85000	00000	919.00	.2875	.2344	.2612	.1255-01	.1023-01	.1140-01	7.435	57.11	614.9
63	85000	20000	920.00	.2419	.1965	.2168	.1056-01	.8581-02	.9465-02	6.139	42.36	626.0
63	85000	40000	921.00	.2085	.1694	.1873	.9102-02	.7398-02	.8176-02	5.301	37.82	624.8
63	90000	00000	922.00	.1473	.1211	.1344	.6431-02	.5288-02	.5867-02	3.991	31.08	586.7
63	90000	10000	923.00	.2404	.1961	.2148	.1050-01	.8563-02	.9381-02	6.234	44.73	613.4
63	90000	20000	924.00	.2358	.1916	.2109	.1030-01	.8364-02	.9208-02	5.976	41.22	627.0
63	90000	30000	925.00	.2352	.1911	.2110	.1027-01	.8344-02	.9214-02	5.966	41.16	626.4
63	90000	50000	926.00	.2104	.1711	.1893	.9187-02	.7470-02	.8253-02	5.361	37.04	623.7
63	90000	80000	927.00	.3161	.2571	.2904	.1380-01	.1123-01	.1268-01	8.079	60.76	621.8
63	90000	90000	928.00	.2824	.2304	.2654	.1233-01	.1006-01	.1159-01	7.322	56.29	613.4
63	95000	00000	929.00	.8790-01	.7280-01	.6040-01	.3837-02	.3176-02	.3512-02	2.474	18.20	562.6
63	95000	50000-01	930.00	.1545	.1271	.1363	.6745-02	.5551-02	.5951-02	4.207	29.64	583.5
63	95000	10000+00	931.00	.1739	.1424	.1550	.7591-02	.6212-02	.6766-02	4.614	33.33	599.5
63	95000	20000	932.00	.2037	.1662	.1830	.8895-02	.7256-02	.7990-02	5.282	35.52	613.6
63	95000	30000	933.00	.2167	.1763	.1948	.9462-02	.7697-02	.8504-02	5.533	38.25	622.5
63	95000	50000	934.00	.1649	.1344	.1487	.7198-02	.5870-02	.6491-02	4.267	30.60	614.5
63	95000	70000	935.00	.3260	.2651	.2961	.1423-01	.1158-01	.1293-01	8.310	60.34	623.5
63	95000	80000	936.00	.3599	.2931	.3331	.1572-01	.1280-01	.1454-01	9.250	66.19	618.7
63	95000	90000	937.00	.2658	.2174	.2497	.1160-01	.9492-02	.1090-01	6.994	51.25	604.6

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OH-49B (AEDC V41B-57A) OR31TER LOWER WING

(RVIL08)

LOWER WING

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
43	8.000	3.313	45.11	.0000	180.0	758.4	.7800-01	1341.	97.20	3.480	3864.	.6708-04
44	8.000	3.322	45.10	.0000	180.0	759.5	.7800-01	1340.	97.10	3.485	3862.	.6723-04
45	8.000	3.323	45.10	.0000	180.0	759.7	.7800-01	1340.	97.10	3.486	3863.	.6724-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
43	.7822-07	.4606-01	0.0175
44	.7816-07	.4609-01	.2230-01
45	.7817-07	.4610-01	.2230-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	4/HREF (TAW)	H(GTO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTHDT DEG. R /SEC	TW DEG. R
45	.30000	.00000	845.00	.4400-01	.3640-01	.4030-01	.2028-02	.1680-02	.1857-02	1.310	14.48	559.8
45	.30000	.50000-01	846.00	.1428	.1167	.1256	.6583-02	.5377-02	.5791-02	3.934	42.44	608.3
45	.30000	.10000+00	847.00	.1284	.1052	.1137	.5919-02	.4849-02	.5241-02	3.594	29.96	598.8
45	.30000	.20000	848.00	.1366	.1121	.1221	.6296-02	.5169-02	.5628-02	3.868	27.15	591.5
45	.30000	.40000	850.00	.9740-01	.7970-01	.3760-01	.4492-02	.3673-02	.4036-02	2.700	18.83	604.8
45	.30000	.50000	851.00	.1528	.1245	.1381	.7043-02	.5740-02	.6354-02	4.157	29.80	615.6
45	.30000	.60000	852.00	.2496	.2022	.2243	.1146-01	.9322-02	.1034-01	6.695	47.84	621.7
45	.30000	.70000	853.00	.3183	.2581	.2872	.1467-01	.1190-01	.1324-01	8.438	58.09	630.7
45	.30000	.80000	854.00	.3433	.2783	.3113	.1582-01	.1283-01	.1435-01	9.074	64.50	632.5
45	.30000	.90000	855.00	.1958	.1606	.1827	.9026-02	.7402-02	.8421-02	5.513	39.68	595.1
45	.30000	.95000	856.00	.1844	.1514	.1739	.8501-02	.6980-02	.8016-02	5.226	36.68	591.1
45	.35000	.00000	857.00	.1083	.8910-01	.9880-01	.4992-02	.4109-02	.4556-02	3.113	26.17	582.2
45	.40000	.00000	858.00	.1656	.1352	.1506	.7636-02	.6232-02	.6940-02	4.542	44.49	611.0
45	.40000	.50000-01	859.00	.3413	.2733	.2939	.1573-01	.1277-01	.1355-01	9.075	62.53	629.0
45	.40000	.10000+00	860.00	.2622	.2133	.2310	.1208-01	.9831-02	.1065-01	7.063	48.85	621.4
45	.40000	.20000	861.00	.1818	.1482	.1633	.8380-02	.6833-02	.7526-02	4.961	35.59	613.9
45	.40000	.30000	862.00	.2046	.1656	.1847	.9429-02	.7678-02	.8512-02	5.538	38.36	618.6

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.5	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTHOT DEG. R /SEC	TH DEG. R
45	40000	40000	863.00	.2378	.1934	.2146	.1096-01	.8913-02	.9892-02	6.391	47.22	622.8
45	40000	60000	864.00	.3536	.2876	.3183	.1630-01	.1326-01	.1467-01	9.529	61.92	621.2
45	40000	70000	865.00	.3647	.2962	.3288	.1681-01	.1365-01	.1516-01	9.738	63.10	626.7
45	40000	85000	866.00	.3260	.2653	.2954	.1503-01	.1223-01	.1361-01	8.831	62.93	620.3
45	40000	90000	867.00	.2656	.2171	.2451	.1224-01	.1011-01	.1130-01	7.337	53.71	606.7
45	40000	95000	868.00	.2317	.1894	.2177	.1068-01	.8732-02	.1003-01	6.416	53.33	605.2
45	40000	95000	869.00	.2178	.1782	.2063	.1004-01	.8213-02	.9510-02	6.047	47.56	603.5
45	50000	95000	871.00	.4246	.3429	.3839	.1957-01	.1580-01	.1769-01	11.00	86.42	643.8
45	50000	50000-01	872.00	.3389	.2741	.2926	.1562-01	.1264-01	.1349-01	8.859	64.94	638.8
45	50000	10000+00	873.00	.2348	.1912	.2085	.1082-01	.8815-02	.9614-02	6.362	45.54	618.1
45	50000	20000	874.00	.1911	.1560	.1721	.8811-02	.7191-02	.7933-02	5.240	36.42	611.1
45	50000	30000	875.00	.1924	.1569	.1735	.8868-02	.7234-02	.7999-02	5.261	36.54	612.6
45	50000	40000	876.00	.2337	.1822	.2018	.1031-01	.8398-02	.9303-02	6.068	42.15	617.3
45	50000	50000	877.00	.3079	.2502	.2778	.1419-01	.8921-02	.1280-01	8.256	55.24	624.1
45	50000	60000	878.00	.2368	.1935	.2146	.1091-01	.8921-02	.9893-02	6.545	49.61	606.2
45	55000	90000	879.00	.5169	.4079	.4619	.2383-01	.1880-01	.2129-01	11.95	94.70	704.4
45	60000	90000	880.00	.5166	.4082	.4620	.2382-01	.1882-01	.2130-01	12.01	103.3	701.5
45	60000	25000-01	881.00	.5465	.5130	.5392	.2980-01	.2365-01	.2486-01	15.34	109.7	691.2
45	60000	50000-01	882.00	.3787	.3028	.3251	.1746-01	.1396-01	.1499-01	9.336	84.98	671.1
45	60000	75000-01	883.00	.3170	.3170	.3451	.1817-01	.1441-01	.1593-01	9.993	70.23	656.0
45	60000	10000+00	884.00	.3135	.2511	.2788	.1445-01	.1171-01	.1295-01	8.278	56.93	633.0
45	60000	20000	885.00	.2217	.1807	.1999	.1022-01	.8329-02	.9214-02	6.038	41.89	615.0
45	60000	30000	886.00	.2160	.1759	.1946	.9955-02	.8108-02	.8972-02	5.853	38.09	617.9
45	60000	40000	887.00	.2144	.1745	.1930	.9683-02	.8045-02	.8895-02	5.757	38.88	619.3
45	60000	50000	888.00	.2338	.1905	.2111	.1078-01	.8782-02	.9732-02	6.363	42.76	615.4
45	60000	60000	889.00	.2533	.2066	.2289	.1157-01	.9522-02	.1055-01	6.919	46.54	613.2
45	60000	70000	890.00	.2654	.2165	.2415	.1224-01	.9990-02	.1113-01	7.254	50.38	613.0
45	60000	80000	891.00	.2323	.1901	.2144	.1071-01	.8761-02	.9884-02	6.457	46.57	602.9
45	60000	90000	892.00	.2579	.2112	.2393	.1189-01	.9733-02	.1103-01	7.200	51.14	600.2
45	60000	95000	893.00	.2372	.1944	.2236	.1094-01	.8963-02	.1031-01	6.657	48.96	597.2
45	60000	95000	894.00	.2054	.1687	.1948	.9470-02	.7776-02	.8980-02	5.826	42.98	590.7
45	65000	90000	895.00	.3157	.2552	.2756	.1455-01	.1176-01	.1316-01	8.229	67.24	640.3
45	70000	90000	896.00	.1516	.1239	.1379	.6990-02	.5711-02	.6356-02	4.181	53.08	607.8
45	70000	25000-01	897.00	.2527	.2059	.2149	.1165-01	.9493-02	.9904-02	6.870	61.53	616.2
45	70000	10000+00	898.00	.2827	.2286	.2512	.1503-01	.1058-01	.1158-01	7.549	50.45	626.6
45	70000	20000	899.00	.2535	.2066	.2278	.1169-01	.9522-02	.1050-01	6.890	41.13	616.4
45	70000	30000	900.00	.2189	.1788	.1978	.1009-01	.8240-02	.9120-02	6.017	36.04	609.7
45	70000	40000	901.00	.2133	.1741	.1927	.9833-02	.8026-02	.8884-02	5.850	36.02	610.9
45	70000	60000	902.00	.2314	.1888	.2092	.1066-01	.8703-02	.9643-02	6.342	39.04	611.2
45	70000	90000	903.00	.2906	.2378	.2731	.1340-01	.1096-01	.1259-01	8.072	56.32	603.4
45	75000	90000	904.00	.1993	.1638	.1816	.9189-02	.7549-02	.8379-02	5.667	44.08	589.2
45	75000	25000-01	905.00	.3180	.2578	.2688	.1466-01	.1189-01	.1239-01	8.420	64.16	631.4
45	75000	50000-01	906.00	.3422	.2775	.2984	.1577-01	.1279-01	.1375-01	9.068	64.51	630.9

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19T0 BTU/ R FT2SEC	H1T0 BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
45	.75.00	.10000+00	907.00	.3186	.2581	.2827	.1468-01	.1190-01	.1303-01	8.398	55.92	634.1
45	.75000	.20000	908.00	.2391	.1946	.2149	.1102-01	.8971-02	.9905-02	6.467	43.38	619.1
45	.75000	.30000	909.00	.2185	.1784	.1971	.1007-01	.8223-02	.9086-02	6.003	36.98	609.9
45	.75000	.40000	910.00	.2047	.1670	.1847	.9473-02	.7700-02	.8513-02	5.610	35.55	611.3
45	.75000	.60000	911.00	.2081	.1700	.1883	.9593-02	.7838-02	.8679-02	5.740	37.54	607.6
45	.75000	.80000	912.00	.3176	.2589	.2926	.1464-01	.1193-01	.1349-01	8.646	58.86	615.3
45	.75000	.90000	913.00	.3021	.2474	.2839	.1392-01	.1141-01	.1309-01	8.449	60.04	599.1
45	.75000	.95000	914.00	.2378	.1949	.2250	.1096-01	.8982-02	.1037-01	6.665	49.00	597.8
45	.80000	.60000	915.00	.2547	.2069	.2309	.1174-01	.9537-02	.1064-01	6.810	60.70	625.8
45	.80000	.20000	916.00	.2519	.2049	.2264	.1161-01	.9446-02	.1044-01	6.781	45.42	621.5
45	.80000	.40000	917.00	.2061	.1679	.1636	.9503-02	.7741-02	.8557-02	5.595	38.78	617.1
45	.85000	.90000	918.00	.3266	.2668	.3064	.1506-01	.1230-01	.1413-01	8.995	63.63	608.5
45	.85000	.20000	919.00	.2874	.2342	.2670	.1325-01	.1080-01	.1203-01	7.821	60.06	615.5
45	.85000	.40000	920.00	.2541	.2064	.2277	.1171-01	.9512-02	.1050-01	6.781	46.77	627.0
45	.85000	.60000	921.00	.2256	.1833	.2027	.1040-01	.8450-02	.9342-02	6.034	43.03	625.7
45	.90000	.10000+00	922.00	.1493	.1229	.1363	.6883-02	.5664-02	.6282-02	4.286	33.44	583.3
45	.90000	.20000	923.00	.2487	.2028	.2222	.1146-01	.9350-02	.1024-01	6.795	48.76	613.2
45	.90000	.30000	924.00	.2528	.2052	.2260	.1165-01	.9460-02	.1042-01	6.735	46.43	628.0
45	.90000	.40000	925.00	.2510	.2038	.2251	.1157-01	.9393-02	.1038-01	6.686	46.09	628.1
45	.90000	.50000	926.00	.2273	.1847	.2044	.1048-01	.9516-02	.9422-02	6.097	42.12	623.9
45	.90000	.60000	927.00	.3814	.3100	.3503	.1758-01	.1429-01	.1615-01	10.23	75.87	624.0
45	.90000	.70000	928.00	.3226	.2631	.3032	.1487-01	.1213-01	.1398-01	8.807	67.68	613.8
45	.90000	.80000	929.00	.3000-01	.7460-01	.8240-01	.4147-02	.3438-02	.3798-02	2.694	19.88	556.3
45	.95000	.50000-01	930.00	.1576	.1298	.1391	.7264-02	.5884-02	.6413-02	4.551	32.13	579.3
45	.95000	.10000+00	931.00	.1819	.1491	.1622	.8387-02	.6874-02	.7479-02	5.107	36.93	597.0
45	.95000	.20000	932.00	.2173	.1773	.1952	.1002-01	.8171-02	.8998-02	5.940	39.96	612.9
45	.95000	.30000	933.00	.2320	.1887	.2085	.1069-01	.8698-02	.9611-02	6.241	43.14	622.3
45	.95000	.40000	934.00	.1835	.1497	.1655	.8457-02	.6899-02	.7629-02	5.016	36.00	612.8
45	.95000	.50000	935.00	.3682	.2992	.3344	.1697-01	.1379-01	.1541-01	9.871	71.64	624.3
45	.95000	.60000	936.00	.3841	.3128	.3555	.1771-01	.1442-01	.1639-01	10.41	74.52	618.0
45	.95000	.70000	937.00	.2753	.2273	.2587	.1269-01	.1038-01	.1193-01	7.662	56.21	602.1

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1108)

LOWER WING

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .000C
 BOFLAP = .0000 MACH = 8.900

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
22	8.000	3.747	45.11	.0000	180.0	664.2	.8900-01	1348.	97.70	3.966	3874.	.7605-04
23	8.000	3.747	45.16	.0000	180.0	662.7	.8800-01	1346.	97.50	3.959	3871.	.7601-04
24	8.000	3.731	45.12	.0000	180.0	659.3	.8800-01	1346.	97.60	3.943	3872.	.7569-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
22	.7863-07	.4922-01	.4922-01	0.0175
23	.7853-07	.4916-01	.4916-01	.2098-01
24	.7855-07	.4907-01	.4907-01	.2103-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
24	.30000	.00000	845.00	.4330-01	.3580-01	.3960-01	.2123-02	.1757-02	.1943-02	1.375	15.16	564.1
24	.30000	.50000-01	846.00	.1423	.1161	.1251	.6983-02	.5698-02	.6137-02	4.170	44.84	614.6
24	.30000	.10000-00	847.00	.1322	.1082	.1170	.6485-02	.5309-02	.5739-02	3.942	32.79	503.8
24	.30000	.20000	848.00	.1390	.1140	.1242	.5595-02	.5094-02	.6094-02	4.190	29.32	597.6
24	.30000	.40000	850.00	.1191	.9720-01	.1069	.5843-02	.4768-02	.5243-02	3.488	24.20	614.8
24	.30000	.50000	851.00	.2068	.1679	.1865	.1015-01	.8239-02	.9149-02	5.900	41.99	630.2
24	.30000	.60000	852.00	.3012	.2440	.2711	.1478-01	.1197-01	.1330-01	8.492	60.23	637.1
24	.30000	.70000	853.00	.3599	.2907	.3240	.1766-01	.1426-01	.1590-01	9.980	68.19	646.7
24	.30000	.80000	854.00	.3661	.2956	.3314	.1796-01	.1450-01	.1626-01	10.13	71.50	647.7
24	.30000	.90000	855.00	.2112	.1728	.1968	.1036-01	.8478-02	.9658-02	6.281	44.50	605.5
24	.30000	.95000	856.00	.1866	.1529	.1758	.9156-02	.7503-02	.8628-02	5.598	39.12	600.3
24	.35000	.00000	857.00	.1160	.9540-01	.1058	.5690-02	.4682-02	.5193-02	3.558	29.85	586.4
24	.40000	.00000	858.00	.1743	.1420	.1583	.8552-02	.6968-02	.7767-02	5.065	49.40	619.5
24	.40000	.50000-01	859.00	.3463	.2805	.2978	.1699-01	.1376-01	.1461-01	9.742	66.82	638.5
24	.40000	.10000-00	860.00	.2701	.2192	.2376	.1325-01	.1076-01	.1166-01	7.684	52.87	632.0
24	.40000	.20000	861.00	.2078	.1689	.1863	.1020-01	.8289-02	.9141-02	5.969	42.56	626.3
24	.40000	.30000	862.00	.2512	.2037	.2262	.1232-01	.9995-02	.1110-01	7.123	48.97	633.8

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(9T0) BTU/ R FT2SEC	H(10I) BTU/ R FT2SEC	H(1AH) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	OTWOT DEG. R /SEC	TH DEG. R
24	40000	40000	863.00	.2931	.2372	.2638	.1438-01	.1184-01	.1295-01	8.230	60.31	639.4
24	40000	60000	864.00	.3895	.3156	.3499	.1911-01	.1548-01	.1717-01	10.99	70.84	636.9
24	40000	70000	865.00	.3926	.3177	.3532	.1927-01	.1559-01	.1733-01	10.99	70.71	641.4
24	40000	75000	866.00	.3435	.2786	.3107	.1686-01	.1367-01	.1524-01	9.743	69.22	633.7
24	40000	85000	867.00	.2782	.2267	.2564	.1365-01	.1113-01	.1258-01	8.099	58.94	618.5
24	40000	90000	868.00	.2428	.1981	.2280	.1192-01	.9720-02	.1119-01	7.102	58.72	615.7
24	40000	95000	869.00	.2304	.1880	.2181	.1130-01	.9227-02	.1070-01	6.762	52.92	613.6
24	50000	00000	871.00	.4259	.3433	.3847	.2090-01	.1684-01	.1888-01	11.69	91.42	652.5
24	50000	50000-01	872.00	.3536	.2853	.3047	.1735-01	.1400-01	.1495-01	9.757	71.17	649.4
24	50000	10000+00	873.00	.1871	.1524	.1662	.9182-02	.7478-02	.8156-02	5.427	38.79	620.8
24	50000	20000	874.00	.2176	.1771	.1956	.1068-01	.8690-02	.9599-02	6.282	43.40	623.6
24	50000	30000	875.00	.2367	.1924	.2131	.1161-01	.9440-02	.1046-01	6.791	46.84	627.1
24	50000	40000	876.00	.2792	.2265	.2514	.1370-01	.1111-01	.1233-01	7.927	54.51	633.2
24	50000	50000	877.00	.3663	.2964	.3297	.1797-01	.1455-01	.1618-01	10.27	68.19	640.3
24	50000	60000	878.00	.2533	.2065	.2293	.1243-01	.1013-01	.1125-01	7.387	55.68	617.4
24	50000	70000	879.00	.5137	.4041	.4584	.2521-01	.1983-01	.2249-01	12.51	98.65	715.4
24	60000	00000	880.00	.5149	.4054	.4597	.2526-01	.1989-01	.2255-01	12.59	107.6	713.5
24	60000	25000-01	881.00	.6435	.5086	.5350	.3158-01	.2495-01	.2625-01	16.02	113.9	704.4
24	60000	50000-01	882.00	.3937	.3136	.3371	.1932-01	.1539-01	.1654-01	10.18	92.07	684.7
24	60000	75000-01	883.00	.4169	.3339	.3646	.2046-01	.1639-01	.1789-01	11.09	77.40	669.9
24	60000	10000+00	884.00	.3337	.2696	.2922	.1637-01	.1323-01	.1454-01	9.274	63.40	645.4
24	60000	20000	885.00	.2420	.1966	.2178	.1187-01	.9647-02	.1069-01	6.929	47.77	628.1
24	60000	30000	886.00	.2362	.2078	.2304	.1257-01	.1020-01	.1130-01	7.280	47.05	632.5
24	60000	40000	887.00	.2554	.2152	.2384	.1305-01	.1056-01	.1170-01	7.516	50.03	634.7
24	60000	50000	888.00	.2667	.2328	.2584	.1407-01	.1142-01	.1268-01	8.179	54.56	630.3
24	60000	60000	889.00	.3027	.2460	.2731	.1463-01	.1207-01	.1340-01	8.675	57.94	627.7
24	60000	70000	890.00	.3165	.2572	.2874	.1553-01	.1262-01	.1410-01	9.072	62.56	627.6
24	60000	80000	891.00	.2813	.2132	.2409	.1282-01	.1046-01	.1182-01	7.650	54.84	615.1
24	60000	90000	892.00	.2811	.2295	.2605	.1379-01	.1126-01	.1278-01	8.268	58.38	612.3
24	60000	95000	893.00	.2594	.2121	.2443	.1273-01	.1041-01	.1199-01	7.678	56.15	608.6
24	60000	95000	894.00	.2197	.1800	.2082	.1078-01	.8834-02	.1022-01	6.586	48.35	600.9
24	65000	00000	895.00	.3179	.2565	.2773	.1550-02	.1259-01	.1410-01	8.770	71.35	649.6
24	70000	25000-01	897.00	.2552	.2083	.2174	.1257-01	.1022-01	.1057-01	7.352	56.82	616.4
24	70000	10000+00	898.00	.3045	.2465	.2700	.1494-01	.1209-01	.1325-01	8.550	65.50	627.0
24	70000	20000	899.00	.2301	.2275	.2512	.1374-01	.1116-01	.1233-01	8.003	56.79	633.4
24	70000	30000	900.00	.2497	.2032	.2252	.1225-01	.9970-02	.1105-01	7.214	47.48	629.4
24	70000	40000	901.00	.2992	.2392	.2618	.1262-01	.1027-01	.1138-01	7.411	45.33	622.9
24	70000	50000	902.00	.2889	.2349	.2606	.1417-01	.1152-01	.1279-01	8.310	50.81	625.3
24	70000	60000	903.00	.2976	.2429	.2794	.1460-01	.1192-01	.1371-01	8.735	60.64	613.6
24	70000	70000	904.00	.2270	.1858	.2066	.1114-01	.9115-02	.1014-01	6.761	52.19	604.7
24	75000	25000-01	905.00	.3256	.2633	.2746	.1597-01	.1292-01	.1347-01	9.090	68.89	642.7
24	75000	50000-01	906.00	.3557	.2876	.3096	.1746-01	.1411-01	.1519-01	9.922	70.16	643.3

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(11W) BTU/ R F12SEC	COOT BTU/ F12SEC	DTWOT DEG. R /SEC	TH DEG. R
24	75000	10000+00	907.00	.3433	.2772	.3040	.1685-01	.1350-01	.1491-01	9.500	62.84	647.8
24	75000	.20000	908.00	.2633	.2136	.2362	.1292-01	.1048-01	.1159-01	7.481	49.85	632.6
24	75000	.30000	909.00	.2504	.2038	.2255	.1228-01	.1000-01	.1106-01	7.242	44.34	622.2
24	75000	.40000	910.00	.2405	.1956	.2166	.1187-01	.9598-02	.1063-01	6.923	43.58	625.1
24	75000	.60000	911.00	.2539	.2068	.2293	.1246-01	.1015-01	.1125-01	7.353	47.85	620.8
24	80000	.80000	912.00	.3414	.2774	.3140	.1675-01	.1051-01	.1541-01	9.778	77.40	628.0
24	75000	90000	913.00	.3105	.2539	.2916	.1524-01	.1246-01	.1431-01	9.188	64.97	608.9
24	75000	.95000	914.00	.2450	.2004	.2317	.1202-01	.9832-02	.1137-01	7.264	53.15	607.6
24	80000	.00000	915.00	.2582	.2092	.2339	.1267-01	.1027-01	.1148-01	7.282	64.56	637.1
24	80000	.20000	916.00	.2805	.2273	.2516	.1376-01	.1115-01	.1234-01	7.920	52.68	636.3
24	80000	.40000	917.00	.2422	.1956	.2177	.1189-01	.9647-02	.1068-01	6.896	47.45	631.6
24	80000	.60000	918.00	.3371	.2747	.3159	.1654-01	.1348-01	.1550-01	9.803	68.99	619.0
24	85000	.00000	919.00	.2853	.2320	.2588	.1400-01	.1138-01	.1270-01	8.206	62.71	625.5
24	85000	.20000	920.00	.2647	.2304	.2546	.1397-01	.1130-01	.1249-01	7.975	54.64	640.9
24	85000	.40000	921.00	.2636	.2133	.2362	.1294-01	.1047-01	.1159-01	7.387	52.30	640.7
24	90000	.00000	922.00	.1532	.1259	.1397	.7517-02	.6177-02	.6856-02	4.667	36.28	590.9
24	90000	.10000+00	923.00	.2675	.2176	.2356	.1313-01	.1068-01	.1171-01	7.704	54.96	624.8
24	90000	.20000	924.00	.2748	.2223	.2451	.1348-01	.1091-01	.1203-01	7.678	52.56	642.4
24	90000	.30000	925.00	.2925	.2366	.2618	.1435-01	.1161-01	.1284-01	8.182	56.04	641.6
24	90000	.50000	926.00	.2683	.2173	.2408	.1317-01	.1066-01	.1182-01	7.543	51.72	638.9
24	90000	.80000	927.00	.4113	.3332	.3772	.2018-01	.1635-01	.1851-01	11.59	86.52	637.5
24	90000	.90000	928.00	.3265	.2657	.3066	.1602-01	.1304-01	.1505-01	9.421	72.06	623.7
24	95000	.00000	929.00	.9120-01	.7560-01	.3350-01	.4475-02	.3707-02	.4098-02	2.907	21.39	562.2
24	95000	.50000-01	930.00	.1665	.1369	.1468	.8169-02	.6720-02	.7205-02	5.098	35.85	587.7
24	95000	.10000+00	931.00	.1967	.1609	.1752	.9651-02	.7893-02	.6594-02	5.834	41.99	587.2
24	95000	.20000	932.00	.2457	.1938	.2203	.1205-01	.9803-02	.1081-01	7.067	47.26	625.5
24	95000	.30000	933.00	.2643	.2142	.2370	.1297-01	.1051-01	.1163-01	7.460	51.22	636.5
24	95000	.50000	934.00	.2117	.1721	.1906	.1039-01	.8446-02	.9354-02	6.082	43.36	626.3
24	95000	.70000	935.00	.4030	.3263	.3653	.1977-01	.1601-01	.1795-01	11.33	81.69	638.6
24	95000	.80000	936.00	.3941	.3201	.3643	.1934-01	.1571-01	.1787-01	11.27	80.25	628.9
24	95000	.90000	937.00	.2826	.2309	.2654	.1387-01	.1133-01	.1302-01	8.326	50.81	611.3

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AEDC WKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1109)

LOWER WING

PARAMETRIC DATA

ALPHA = 50.00 BETA = .0000 ELEVTR = .0030 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
190	7.900	.5370	50.09	.0000	180.0	109.6	.1200-01	1271.	94.20	.5320	3758.	.1084-04
191	7.900	.5468	50.08	.0000	180.0	111.7	.1200-01	1271.	94.30	.5420	3759.	.1104-04
192	7.900	.5514	50.07	.0000	180.0	112.3	.1200-01	1269.	94.10	.5450	3755.	.1112-04

RUN NUMBER	MJ LB SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
190	.7587-07	.1784-01	0.0175
191	.7591-07	.1801-01	.5523-01
192	.7577-07	.1806-01	.5473-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NG	H/HREF R=0.9	H/HREF R=1.0	H/HREF H/TAN	H19TC BTU/ R FT2SEC	H1TO1 BTU/ R FT2SEC	H1TAN BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
192	.30000	.00000	845.00	.4420-01	.3650-01	.4130-01	.7981-03	.6599-03	.7452-03	.4230	5.407	53.2
192	.30000	.50000-01	846.00	.1660	.1366	.1444	.2988-02	.2469-02	.2607-02	1.777	19.74	54.2
192	.30000	.10000+00	847.00	.1558	.1284	.1361	.2814-02	.2319-02	.2458-02	1.673	14.32	54.2
192	.30000	.20000	848.00	.1431	.1180	.1259	.2583-02	.2130-02	.2274-02	1.543	11.08	54.6
192	.30000	.40000	850.00	.1000+00	.8240-01	.6850-01	.1805-02	.1487-02	.1598-02	1.071	7.679	548.5
192	.30000	.50000	851.00	.8770-01	.7220-01	.7810-01	.1583-02	.1304-02	.1411-02	.9370	6.937	549.5
192	.30000	.60000	852.00	.8320-01	.6830-01	.7410-01	.1503-02	.1237-02	.1338-02	.8900	6.591	549.5
192	.30000	.70000	853.00	.7850-01	.6470-01	.7000-01	.1418-02	.1167-02	.1264-02	.8400	6.018	549.5
192	.30000	.80000	854.00	.8050-01	.6630-01	.7210-01	.1453-02	.1197-02	.1302-02	.8600	6.333	550.0
192	.30000	.90000	855.00	.5440-01	.4980-01	.4980-01	.9827-03	.8104-03	.8997-03	.5860	4.280	54.2
192	.30000	.00000	856.00	.6500-01	.5360-01	.6010-01	.1173-02	.9678-03	.1085-02	.7010	5.034	544.8
192	.35000	.00000	857.00	.1329	.1097	.1240	.2400-02	.1981-02	.2239-02	1.440	12.35	541.8
192	.40000	.00000	858.00	.1545	.1271	.1440	.2789-02	.2295-02	.2603-02	1.642	16.55	553.2
192	.40000	.50000-01	859.00	.3214	.2642	.2752	.5804-02	.4771-02	.4970-02	3.401	24.30	555.9
192	.40000	.10000+00	860.00	.2465	.2028	.2149	.5451-02	.3661-02	.3890-02	2.619	18.73	553.4
192	.40000	.20000	861.00	.1580	.1300	.1399	.2852-02	.2348-02	.2526-02	1.683	12.45	551.8
192	.40000	.30000	862.00	.1293	.1065	.151	.2335-02	.1922-02	.2079-02	1.380	9.884	550.8

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(9VIL09)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT/SEC	H(10) BTU/R FT/SEC	H(TAN) BTU/R FT/SEC	QDOT BTU/ FT/SEC	DTWOT DEG. R /SEC	TH DEG. R
192	.40000	.40000	863.00	.1023	.8420-01	.9110-01	.1846-02	.1520-02	.1645-02	1.093	8.372	549.9
192	.40000	.60000	864.00	.9460-01	.7810-01	.8410-01	.1709-02	.1408-02	.1519-02	1.014	6.830	548.4
192	.40000	.70000	865.00	.1057	.8700-01	.9410-01	.1709-02	.1408-02	.1519-02	1.129	7.601	550.0
192	.40000	.75000	866.00	.9130-01	.7520-01	.8160-01	.1648-02	.1358-02	.1472-02	.9770	7.237	549.1
192	.40000	.85000	867.00	.8820-01	.7270-01	.8000-01	.1533-02	.1312-02	.1445-02	.9460	7.126	548.3
192	.40000	.90000	868.00	.7500-01	.6180-01	.6920-01	.1354-02	.1116-02	.1249-02	.8040	6.876	548.1
192	.40000	.95000	869.00	.6480-01	.5340-01	.6020-01	.1170-02	.9639-03	.1087-02	.6960	5.627	547.0
192	.50000	.00000	871.00	.3636	.2984	.3386	.6566-02	.5389-02	.6113-02	3.814	31.21	560.9
192	.50000	.50000-01	872.00	.3233	.2656	.2777	.5837-02	.4795-02	.5015-02	3.410	26.02	557.6
192	.50000	.10000+00	873.00	.2159	.1777	.1895	.3899-02	.3209-02	.3422-02	2.301	17.03	551.6
192	.50000	.20000	874.00	.1568	.1291	.1391	.2831-02	.2331-02	.2512-02	1.674	11.99	550.3
192	.50000	.30000	875.00	.1295	.1066	.1152	.2338-02	.1926-02	.2079-02	1.383	9.911	550.2
192	.50000	.40000	876.00	.1151	.9480-01	.1025	.2079-02	.1712-02	.1850-02	1.231	8.821	549.7
192	.50000	.60000	877.00	.1050	.8640-01	.9350-01	.1895-02	.1560-02	.1688-02	1.121	7.776	550.6
192	.50000	.90000	878.00	.7480-01	.6170-01	.6680-01	.1351-02	.1113-02	.1206-02	.8030	6.262	547.8
192	.55000	.00000	879.00	.4844	.3948	.4498	.8747-02	.7128-02	.8122-02	4.888	41.08	583.0
192	.60000	.00000	880.00	.4432	.3614	.4116	.8002-02	.6526-02	.7432-02	4.489	40.91	580.9
192	.60000	.25000-01	881.00	.5842	.4772	.4919	.1055-01	.8617-02	.8882-02	5.973	45.16	575.6
192	.60000	.50000-01	882.00	.3412	.2793	.2930	.6161-02	.5044-02	.5290-02	3.529	33.75	569.2
192	.60000	.75000-01	883.00	.3608	.2958	.3144	.6514-02	.5340-02	.5678-02	3.761	27.64	564.5
192	.60000	.10000+00	884.00	.2834	.2330	.2495	.5118-02	.4207-02	.4504-02	2.998	21.41	556.2
192	.60000	.20000	885.00	.1786	.1470	.1587	.3244-02	.2654-02	.2866-02	1.902	13.61	552.1
192	.60000	.30000	886.00	.1573	.1295	.1398	.2840-02	.2338-02	.2525-02	1.676	11.27	551.9
192	.60000	.40000	887.00	.1337	.1101	.1198	.2414-02	.1987-02	.2144-02	1.428	9.911	550.2
192	.60000	.50000	888.00	.1255	.1034	.1118	.2266-02	.1866-02	.2019-02	1.342	9.315	549.8
192	.60000	.60000	889.00	.1120	.9230-01	.9890-01	.2023-02	.1666-02	.1802-02	1.200	8.331	548.8
192	.60000	.80000	891.00	.8330-01	.6910-01	.7600-01	.1514-02	.1247-02	.1373-02	.8990	6.664	547.8
192	.60000	.85000	892.00	.9530-01	.7940-01	.8770-01	.1739-02	.1433-02	.1584-02	1.034	7.539	547.3
192	.60000	.90000	893.00	.8580-01	.7070-01	.7930-01	.1549-02	.1277-02	.1432-02	.9230	6.965	545.9
192	.65000	.95000	894.00	.6800-01	.5610-01	.6320-01	.1227-02	.1012-02	.1141-02	.7330	5.537	544.4
192	.70000	.00000	895.00	.2768	.2270	.2576	.4997-02	.4099-02	.4651-02	2.893	24.55	563.0
192	.70000	.00000	896.00	.1277	.1051	.1191	.2306-02	.1898-02	.2150-02	1.361	17.76	554.7
192	.70000	.25000-01	897.00	.2262	.1860	.1912	.4084-02	.3338-02	.3452-02	2.398	22.14	553.1
192	.70000	.10000+00	898.00	.2645	.2175	.2324	.4776-02	.3927-02	.4197-02	2.803	19.40	555.1
192	.70000	.20000	899.00	.2168	.1784	.1922	.3915-02	.3232-02	.3470-02	2.307	14.22	552.6
192	.70000	.30000	900.00	.1787	.1471	.1591	.3226-02	.2657-02	.2872-02	1.908	11.77	550.4
192	.70000	.40000	901.00	.1605	.1322	.1429	.2898-02	.2386-02	.2580-02	1.716	10.89	549.7
192	.70000	.60000	902.00	.1460	.1203	.1301	.2636-02	.2171-02	.2345-02	1.562	9.916	549.4
192	.70000	.90000	903.00	.9640-01	.7950-01	.8890-01	.1741-02	.1436-02	.1606-02	1.037	7.440	546.7
192	.75000	.00000	904.00	.1038	.8590-01	.9700-01	.1875-02	.1551-02	.1751-02	1.142	9.140	532.6
192	.75000	.25000-01	905.00	.2918	.2395	.2460	.5269-02	.4325-02	.4442-02	3.065	24.19	560.1
192	.75000	.50000-01	906.00	.3306	.2717	.2860	.5969-02	.4905-02	.5164-02	3.491	25.76	557.0
192	.75000	.10000+00	907.00	.2943	.2419	.2585	.5315-02	.4367-02	.4668-02	3.109	21.50	557.0

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	OH-49B (AEDC V41B-57A) ORBITER LOWER WING		H/TAN BTU/R FT2SEC	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
				H/HREF R=0.9	H/HREF R=1.0							
192	75000	20000	908.00	.2058	.1693	.1824	.3715-02	.3056-02	.3294-02	2.185	15.13	553.9
192	75000	30000	909.00	.1779	.1465	.1582	.3212-02	.2646-02	.2856-02	1.303	12.08	549.6
192	75000	40000	910.00	.1559	.1284	.1386	.2814-02	.2318-02	.2503-02	1.667	10.89	549.5
192	75000	60000	911.00	.1413	.1164	.1259	.2551-02	.2102-02	.2273-02	1.514	10.20	548.5
192	75000	80000	912.00	.1112	.9160-01	.1008	.2008-02	.1654-02	.1821-02	1.191	9.803	548.9
192	75000	90000	913.00	.1033	.8520-01	.9530-01	.1865-02	.1538-02	.1720-02	1.114	8.130	544.9
192	75000	95000	914.00	.7880-01	.6500-01	.7310-01	.1423-02	.1173-02	.1320-02	.8500	6.414	544.7
192	80000	20000	915.00	.2144	.1764	.1902	.3872-02	.3185-02	.3434-02	2.277	15.77	553.8
192	80000	40000	917.00	.1648	.1357	.1464	.4044-02	.3322-02	.3766-02	2.360	21.76	558.2
192	80000	60000	918.00	.1102	.9080-01	.1015	.2976-02	.2450-02	.2643-02	1.757	12.58	551.3
192	85000	80000	919.00	.2400	.1974	.2237	.4334-02	.3565-02	.4039-02	2.549	20.18	553.7
192	85000	20000	920.00	.2117	.1741	.1874	.3822-02	.3144-02	.3384-02	2.250	16.10	553.0
192	85000	40000	921.00	.1856	.1527	.1647	.3352-02	.2758-02	.2974-02	1.974	14.59	545.5
192	90000	60000	922.00	.1271	.1048	.1186	.2295-02	.1893-02	.2141-02	1.369	10.88	550.5
192	90000	80000	923.00	.2183	.1798	.1925	.3942-02	.3246-02	.3477-02	2.331	17.26	553.2
192	90000	10000+00	924.00	.2234	.1838	.1975	.4034-02	.3319-02	.3565-02	2.375	16.99	552.5
192	90000	30000	925.00	.2221	.1828	.1959	.4011-02	.3301-02	.3555-02	2.364	16.92	552.5
192	90000	50000	926.00	.1867	.1536	.1656	.3372-02	.2774-02	.2994-02	1.985	14.20	553.2
192	90000	80000	927.00	.1349	.1111	.1221	.2435-02	.2007-02	.2205-02	1.445	11.26	548.8
192	90000	90000	928.00	.1122	.9250-01	.1036	.2026-02	.1670-02	.1871-02	1.205	9.570	547.3
192	95000	60000	929.00	.7360-01	.6080-01	.6870-01	.1330-02	.1099-02	.1241-02	.8020	5.970	538.9
192	95000	50000-01	930.00	.1333	.1100	.1159	.2407-02	.1995-02	.2092-02	1.439	10.34	544.3
192	95000	10000+00	931.00	.1666	.1372	.1463	.3008-02	.2478-02	.2642-02	1.783	13.21	549.1
192	95000	20000	932.00	.1867	.1519	.1742	.3552-02	.2924-02	.3146-02	2.096	14.53	552.0
192	95000	30000	933.00	.2106	.1732	.1868	.3803-02	.3128-02	.3373-02	2.237	16.00	553.7
192	95000	50000	934.00	.1629	.1341	.1449	.2942-02	.2422-02	.2616-02	1.738	12.86	551.2
192	95000	70000	935.00	.1462	.1204	.1310	.2640-02	.2174-02	.2365-02	1.561	11.75	550.7
192	95000	80000	936.00	.1457	.1200	.1327	.2631-02	.2167-02	.2395-02	1.551	11.57	548.5
192	95000	90000	937.00	.1008	.8310-01	.9300-01	.1820-02	.1501-02	.1679-02	1.086	8.198	545.2

DATE 25 AUG 76 AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 50.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
163	7.940	1.022	50.12	.0000	180.0	209.1	.2200-01	1261.	92.70	.9920	3746.	.2038-04
164	7.940	1.017	50.08	.0300	180.0	208.3	.2200-01	1262.	92.70	.9890	3746.	.2027-04
165	7.940	1.020	50.09	.0000	180.0	208.6	.2200-01	1261.	92.70	.9900	3745.	.2031-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
163	.7462-07		.2434-01	0.0175
164	.7464-07		.2429-01	.4036-01
165	.7459-07		.2431-01	.4032-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
165	.30000	.00000	845.00	.4320-01	.3560-01	.4030-01	.1051-02	.8656-03	.9801-03	.6180	6.878	546.6
165	.30000	.50000-01	846.00	.1593	.1304	.1378	.3871-02	.3165-02	.3350-02	2.203	24.28	565.6
165	.30000	.10000+00	847.00	.1392	.1141	.1211	.3383-02	.2773-02	.2943-02	1.939	16.47	561.6
165	.30000	.20000	848.00	.1454	.1192	.1275	.3534-02	.2897-02	.3098-02	2.028	14.45	560.9
165	.30000	.40000	850.00	.3370-01	.7670-01	.8260-01	.2278-02	.1954-02	.2008-02	1.293	9.188	567.0
165	.30000	.50000	851.00	.8830-01	.7220-01	.7830-01	.2145-02	.1754-02	.1903-02	1.213	8.892	569.5
165	.30000	.60000	852.00	.7980-01	.6520-01	.7080-01	.1940-02	.1586-02	.1720-02	1.095	8.025	570.4
165	.30000	.70000	853.00	.7970-01	.6380-01	.6920-01	.1895-02	.1550-02	.1682-02	1.072	7.606	569.2
165	.30000	.80000	854.00	.5990-01	.6520-01	.7120-01	.1938-02	.1586-02	.1730-02	1.098	8.060	568.0
165	.30000	.90000	855.00	.5990-01	.4930-01	.5480-01	.1457-02	.1198-02	.1332-02	.8516	6.196	550.7
165	.30000	.00000	856.00	.7270-01	.5990-01	.6720-01	.1768-02	.1455-02	.1633-02	1.038	7.449	547.4
165	.35000	.00000	857.00	.1177	.9660-01	.1096	.2862-02	.2349-02	.2665-02	1.652	14.06	557.6
165	.40000	.00000	858.00	.1527	.1250	.1420	.3712-02	.3037-02	.3453-02	2.105	21.07	557.7
165	.40000	.50000-01	859.00	.3196	.2609	.2721	.7769-02	.6341-02	.6814-02	4.350	30.78	574.8
165	.40000	.10000+00	860.00	.2444	.1997	.2120	.5941-02	.4854-02	.5153-02	3.346	23.72	571.5
165	.40000	.20000	861.00	.1565	.1280	.1381	.3805-02	.3111-02	.3356-02	2.152	15.78	569.1
165	.40000	.30000	862.00	.1270	.1038	.1126	.3086-02	.2523-02	.2736-02	1.744	12.38	569.5

(RV1009)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TM DEG. R
165	.40000	.40000	863.00	.1052	.8600-01	.9330-01	.2557-02	.2091-02	.2280-02	1.445	10.96	569.5
165	.40000	.60000	864.00	.9940-01	.7810-01	.8450-01	.2319-02	.1899-02	.2054-02	1.321	8.819	565.4
165	.40000	.70000	865.00	.1084	.8880-01	.9620-01	.2635-02	.2157-02	.2338-02	1.500	10.01	565.7
165	.40000	.75000	866.00	.9260-01	.7590-01	.8250-01	.231-02	.1844-02	.2003-02	1.286	9.454	563.5
165	.40000	.85000	867.00	.9420-01	.7740-01	.8530-01	.2290-02	.1880-02	.2073-02	1.324	9.934	556.8
165	.40000	.90000	868.00	.8140-01	.6690-01	.7500-01	.1978-02	.1626-02	.1822-02	1.151	9.815	553.1
165	.40000	.95000	869.00	.7190-01	.5920-01	.6680-01	.1748-02	.1438-02	.1623-02	1.023	8.261	549.8
165	.50000	.00000	871.00	.3661	.2985	.3401	.8898-02	.7256-02	.8265-02	4.957	40.22	577.7
165	.50000	.50000-01	872.00	.3136	.2560	.2680	.7621-02	.6221-02	.6514-02	4.270	32.30	574.5
165	.50000	.10000+00	873.00	.2049	.1677	.1791	.4979-02	.4076-02	.4354-02	2.831	20.79	566.2
165	.50000	.20000	874.00	.1537	.1258	.1359	.3735-02	.3058-02	.3303-02	2.129	15.14	564.7
165	.50000	.30000	875.00	.1270	.1040	.1126	.3088-02	.2529-02	.2736-02	1.760	12.52	564.8
165	.50000	.40000	876.00	.1152	.9430-01	.1022	.2800-02	.2292-02	.2483-02	1.593	11.33	565.7
165	.50000	.50000	877.00	.1090	.8930-01	.9680-01	.2650-02	.2170-02	.2352-02	1.509	10.39	565.5
165	.50000	.60000	878.00	.8300-01	.6820-01	.7400-01	.2017-02	.1658-02	.1798-02	1.176	9.155	551.8
165	.55000	.00000	879.00	.4538	.3657	.4200	.1103-01	.8912-02	.1021-01	5.855	48.70	603.9
165	.60000	.00000	880.00	.4310	.3487	.3991	.1048-01	.8476-02	.9701-02	5.597	50.51	600.5
165	.60000	.25000-01	881.00	.5718	.4635	.4782	.1390-01	.1126-01	.1162-01	7.498	56.15	595.2
165	.60000	.50000-01	882.00	.3366	.2737	.2874	.8180-02	.6652-02	.6986-02	4.490	42.59	585.9
165	.60000	.75000-01	883.00	.3579	.2917	.3107	.8599-02	.7091-02	.7551-02	4.837	35.31	578.7
165	.60000	.10000+00	884.00	.2783	.2277	.2441	.6755-02	.5533-02	.5934-02	3.832	27.20	568.3
165	.60000	.20000	885.00	.1760	.1443	.1561	.4279-02	.3507-02	.3794-02	2.453	17.48	561.4
165	.60000	.30000	886.00	.1516	.1242	.1344	.3685-02	.3018-02	.3266-02	2.103	14.05	564.3
165	.60000	.40000	887.00	.1289	.1055	.1141	.3132-02	.2564-02	.2772-02	1.784	12.29	565.3
165	.60000	.50000	888.00	.1217	.9970-01	.1080	.2958-02	.2423-02	.2626-02	1.689	11.65	563.7
165	.60000	.60000	889.00	.1106	.9070-01	.9820-01	.2688-02	.2203-02	.2388-02	1.540	10.63	561.8
165	.60000	.80000	891.00	.9000-01	.7400-01	.8150-01	.2189-02	.1798-02	.1981-02	1.269	9.368	555.1
165	.60000	.85000	892.00	.1046	.8500-01	.9520-01	.2542-02	.2090-02	.2313-02	1.481	10.77	552.2
165	.60000	.90000	893.00	.9230-01	.7600-01	.8520-01	.2243-02	.1846-02	.2072-02	1.317	9.924	547.8
165	.60000	.95000	894.00	.7440-01	.6140-01	.6920-01	.1810-02	.1491-02	.1681-02	1.069	8.070	544.2
165	.65000	.00000	895.00	.2696	.2200	.2504	.6552-02	.5346-02	.6087-02	3.663	30.89	575.7
165	.70000	.00000	896.00	.1241	.1018	.1155	.3016-02	.2473-02	.2807-02	1.733	22.52	560.2
165	.70000	.25000-01	897.00	.2261	.1852	.1905	.5495-02	.4502-02	.4630-02	3.140	28.85	563.5
165	.70000	.16000+00	898.00	.2589	.2121	.2269	.6293-02	.5194-02	.5515-02	3.592	24.76	563.9
165	.70000	.20000	899.00	.2158	.1770	.1909	.5245-02	.4302-02	.4639-02	3.017	18.53	559.5
165	.70000	.30000	900.00	.1754	.1439	.1558	.4283-02	.3497-02	.3766-02	2.454	15.07	559.2
165	.70000	.40000	901.00	.1542	.1264	.1369	.3747-02	.3073-02	.3327-02	2.152	13.59	560.5
165	.70000	.50000	902.00	.1441	.1182	.1287	.3503-02	.2872-02	.3112-02	2.013	12.71	560.2
165	.70000	.60000	903.00	.1042	.8580-01	.9500-01	.2533-02	.2085-02	.2335-02	1.488	10.67	547.4
165	.75000	.00000	904.00	.7800-01	.6430-01	.7270-01	.1895-02	.1563-02	.1788-02	1.126	8.970	540.9
165	.75000	.25000-01	905.00	.2900	.2371	.2436	.7048-02	.5764-02	.5921-02	3.988	31.33	569.0
165	.75000	.50000-01	906.00	.3264	.2672	.2815	.7933-02	.6494-02	.6843-02	4.516	33.17	565.5
165	.75000	.10000+00	907.00	.2906	.2380	.2546	.7064-02	.5784-02	.6189-02	4.023	27.71	565.3

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RV1109)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT/SEC	H(1TO) BTU/ R FT/SEC	H(1TAN) BTU/ R FT/SEC	QDOT BTU/ FT/SEC	DTWOT DEG. R /SEC	TH DEG. R
165	75000	.20000	908.00	.2088	.1713	.1848	.5076-02	.4164-02	.4493-02	2.924	20.20	558.7
165	75000	.30000	909.00	.1770	.1452	.1570	.4301-02	.3530-02	.3815-02	2.482	15.69	557.8
165	75000	.40000	910.00	.1537	.1260	.1363	.3735-02	.3063-02	.3313-02	2.147	13.96	559.9
165	75000	.60000	911.00	.1458	.1196	.1296	.3543-02	.2907-02	.3149-02	2.045	13.71	557.6
165	75000	.80000	912.00	.1195	.9820-01	.1082	.2906-02	.2387-02	.2630-02	1.685	13.83	554.7
165	75000	.90000	913.00	.1098	.9050-01	.1012	.2669-02	.2199-02	.2460-02	1.573	11.48	545.4
165	75000	.95000	914.00	.7620-01	.6280-01	.7070-01	.1852-02	.1527-02	.1718-02	1.097	8.291	542.5
165	80000	.00000	915.00	.2196	.1798	.2043	.5338-02	.4371-02	.4966-02	3.041	27.93	561.3
165	80000	.20000	916.00	.2174	.1782	.1924	.5284-02	.4332-02	.4677-02	3.030	20.91	561.3
165	80000	.40000	917.00	.1608	.1318	.1425	.3909-02	.3205-02	.3463-02	2.243	15.99	560.9
165	80000	.60000	918.00	.1162	.9570-01	.1070	.2826-02	.2327-02	.2602-02	1.661	12.12	546.8
165	85000	.00000	919.00	.2352	.1929	.2189	.5716-02	.4689-02	.5321-02	3.259	25.97	559.3
165	85000	.20000	920.00	.2141	.1755	.1891	.5204-02	.4267-02	.4597-02	2.987	21.29	560.5
165	85000	.40000	921.00	.1906	.1481	.1598	.4389-02	.3599-02	.3885-02	2.521	18.57	548.7
165	90000	.00000	922.00	.1238	.1019	.1154	.3010-02	.2477-02	.2806-02	1.764	14.00	548.7
165	90000	.10000+00	923.00	.2124	.1744	.1870	.5163-02	.4240-02	.4545-02	2.988	22.05	556.2
165	90000	.20000	924.00	.2289	.1877	.2019	.5563-02	.4562-02	.4906-02	3.198	22.80	560.0
165	90000	.30000	925.00	.2103	.1725	.1860	.5110-02	.4192-02	.4520-02	2.940	20.96	559.6
165	90000	.50000	926.00	.1817	.1491	.1610	.4416-02	.3623-02	.3914-02	2.543	18.14	558.9
165	90000	.80000	927.00	.1428	.1174	.1291	.3471-02	.2853-02	.3138-02	2.019	15.71	553.0
165	90000	.90000	928.00	.1112	.9150-01	.1026	.2702-02	.2225-02	.2493-02	1.589	12.63	546.6
165	95000	.00000	929.00	.7310-01	.6040-01	.6820-01	.1777-02	.1467-02	.1658-02	1.062	7.910	537.3
165	95000	.50000-01	930.00	.1401	.1154	.1216	.3405-02	.2805-02	.2955-02	2.005	14.39	546.0
165	95000	.10000+00	931.00	.1651	.1358	.1448	.4012-02	.3300-02	.3520-02	2.345	17.36	550.4
165	95000	.20000	932.00	.1962	.1611	.1735	.4768-02	.3916-02	.4217-02	2.763	19.13	555.1
165	95000	.30000	933.00	.2060	.1691	.1824	.5005-02	.4109-02	.4434-02	2.891	20.64	557.3
165	95000	.50000	934.00	.1584	.1300	.1406	.3849-02	.3161-02	.3415-02	2.228	16.45	555.8
165	95000	.70000	935.00	.1464	.1203	.1310	.3557-02	.2923-02	.3183-02	2.069	15.55	553.2
165	95000	.80000	936.00	.1495	.1230	.1360	.3633-02	.2990-02	.3306-02	2.129	15.78	548.6
165	95000	.90000	937.00	.9950-01	.8210-01	.9180-01	.2419-02	.1994-02	.2231-02	1.433	10.83	542.3

LOWER HING

OH-49B (AEDC V41B-57A) ORBITER LOWER HING

PARAMETRIC DATA

ALPHA = 50.03 BETA = .0000 ELEVTR = .0000 SPDGRK = .0000
 BDFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 E /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
118	7.970	1.489	50.06	.0000	180.0	320.2	.3400-01	1295.	94.50	1.494	3796.	.2983-04
136	7.970	1.511	50.10	.0000	180.0	321.4	.3400-01	1286.	93.80	1.500	3783.	.3017-04
138	7.970	1.503	50.10	.0000	180.0	319.5	.3400-01	1285.	93.80	1.491	3782.	.3001-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =
118	7608-07	.3000-01	0.0175
136	7553-07	.3002-01	.3336-01
138	7550-07	.2993-01	.3315-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H19T01 BTU/ R FT2SEC	H1T01 BTU/ R FT2SEC	H1TAM BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	OTWOT DEG. R /SEC	TH DEG. R
138	.30000	.00000	845.00	.4230-01	.3490-01	.3940-01	.1265-02	.1044-02	.1180-02	.7680	8.537	549.1
138	.30000	.50000-01	846.00	.1575	.1290	.1364	.4715-02	.3861-02	.4082-02	2.740	30.04	575.6
138	.30000	.10000+00	847.00	.1448	.1188	.1260	.4334-02	.3556-02	.3772-02	2.545	21.53	569.4
138	.30000	.20000	848.00	.1427	.1172	.1252	.4272-02	.3509-02	.3749-02	2.519	17.89	567.0
138	.30000	.40000	850.00	.9150-01	.7490-01	.8070-01	.2738-02	.2242-02	.2415-02	1.589	11.24	576.3
138	.30000	.50000	851.00	.8650-01	.7090-01	.7680-01	.2590-02	.2118-02	.2297-02	1.493	10.89	580.2
138	.30000	.60000	852.00	.8220-01	.6720-01	.7290-01	.2461-02	.2012-02	.2182-02	1.417	10.33	580.9
138	.30000	.70000	853.00	.8510-01	.6950-01	.7550-01	.2346-02	.2031-02	.2260-02	1.466	10.34	580.9
138	.30000	.80000	854.00	.9800-01	.8010-01	.8740-01	.2334-02	.2398-02	.2617-02	1.689	12.31	581.0
138	.30000	.90000	855.00	.6670-01	.5480-01	.6090-01	.1996-02	.1641-02	.1824-02	1.184	8.564	563.4
138	.30000	.95000	856.00	.7680-01	.6320-01	.7090-01	.2299-02	.1891-02	.2122-02	1.369	9.752	561.2
138	.35000	.00300	857.00	.1055	.0670-01	.0930-01	.3159-02	.2596-02	.2943-02	1.874	15.90	563.3
136	.40000	.00000	858.00	.1228	.1228	.1396	.4491-02	.3675-02	.4177-02	2.600	25.89	577.6
138	.40000	.50000-01	859.00	.3211	.2620	.2732	.9610-02	.7841-02	.8178-02	5.474	38.50	587.0
138	.40000	.10000+00	860.00	.2426	.1982	.2104	.7661-02	.5332-02	.5298-02	4.166	29.37	582.8
138	.40000	.20000	861.00	.1542	.1262	.1361	.4616-02	.3777-02	.4072-02	2.669	19.48	578.4
138	.40000	.30000	862.00	.1255	.1026	.1112	.3757-02	.3071-02	.3330-02	2.161	15.24	581.4

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AEDC VKF V418-57A (OH-49B) COLLATION DECK

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(RV1L09)

OH-49B (AEDC V418-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(TAN) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMOT DEG. R /SEC	TW DEG. R
138	40000	40000	863.00	.1077	.8800-01	.9550-01	.3223-02	.2634-02	.2858-02	1.853	13.97	581.5
138	40000	.60000	864.00	.1056	.8640-01	.9350-01	.3160-02	.2586-02	.2797-02	1.828	12.13	578.1
138	40000	.70000	865.00	.1190	.9730-01	.1055	.3561-02	.2913-02	.3158-02	2.057	13.65	578.9
138	40000	.75000	866.00	.9990-01	.8180-01	.8900-01	.2991-02	.2449-02	.2663-02	1.735	12.68	576.6
138	40000	.85000	867.00	.1041	.8530-01	.9410-01	.3114-02	.2554-02	.2817-02	1.825	13.60	570.7
138	40000	.90000	868.00	.9120-01	.7480-01	.8390-01	.2729-02	.2239-02	.2511-02	1.604	13.58	568.7
138	40000	.95000	869.00	.8260-01	.6780-01	.7660-01	.2472-02	.2031-02	.2293-02	1.461	11.70	565.9
138	50000	.00000	871.00	.3567	.2907	.3313	.1068-01	.8701-02	.9915-02	6.045	48.73	590.4
138	50000	.50000	872.00	.3010	.2454	.2571	.9010-02	.7346-02	.7694-02	5.112	38.40	589.2
138	50000	.50000	873.00	.1995	.1632	.1744	.5971-02	.4884-02	.5219-02	3.450	25.17	578.9
138	50000	.50000	874.00	.1473	.1206	.1302	.4408-02	.3610-02	.3898-02	2.561	18.12	575.6
138	50000	.50000	875.00	.1256	.1028	.1112	.3758-02	.3076-02	.3329-02	2.177	15.38	577.5
138	50000	.50000	876.00	.1197	.9790-01	.1061	.3582-02	.2930-02	.3175-02	2.071	14.63	578.5
138	50000	.60000	877.00	.1095	.8870-01	.9620-01	.3247-02	.2656-02	.2881-02	1.877	12.85	578.4
138	50000	.60000	878.00	.8950-01	.7350-01	.7870-01	.2680-02	.2200-02	.2386-02	1.578	12.19	567.6
138	55000	.00000	879.00	.4462	.3595	.4126	.1336-01	.1076-01	.1235-01	7.120	58.66	623.5
138	60000	.00000	880.00	.4267	.3442	.3947	.1277-01	.1030-01	.1181-01	6.846	61.18	620.6
138	60000	.25000-01	881.00	.5665	.4578	.4725	.1696-01	.1370-01	.1414-01	9.170	67.98	615.8
138	60000	.50000-01	882.00	.3274	.2655	.2790	.9798-02	.7546-02	.8350-02	5.403	50.77	605.2
138	60000	.75000-01	883.00	.3435	.2793	.2976	.1028-01	.8360-02	.8908-02	5.751	41.59	597.2
138	60000	.10000+00	884.00	.2713	.2215	.2377	.8121-02	.6630-02	.7113-02	4.640	32.66	585.3
138	60000	.26000	885.00	.1678	.1374	.1487	.5023-02	.4112-02	.4450-02	2.913	20.59	576.8
138	60000	.30000	886.00	.1477	.1209	.1308	.4421-02	.3617-02	.3915-02	2.558	16.98	578.1
138	60000	.40000	887.00	.1252	.1024	.1107	.3746-02	.3064-02	.3313-02	2.161	14.78	579.8
138	60000	.50000	888.00	.1208	.9880-01	.1071	.3515-02	.2958-02	.3207-02	2.093	14.33	577.7
138	60000	.60000	889.00	.1140	.9340-01	.1012	.3413-02	.2795-02	.3030-02	1.983	13.59	575.5
138	60000	.80000	891.00	.9860-01	.8030-01	.1036	.2911-02	.2421-02	.2670-02	2.011	12.71	569.3
138	60000	.85000	892.00	.1140	.9360-01	.1036	.3412-02	.2801-02	.3102-02	2.011	14.52	567.1
138	60000	.90000	893.00	.9670-01	.7950-01	.8930-01	.2866-02	.2380-02	.2672-02	1.716	12.83	563.9
138	65000	.00000	894.00	.7470-01	.6150-01	.6930-01	.2235-02	.1839-02	.2075-02	4.527	37.95	587.8
138	65000	.00000	895.00	.2659	.2169	.2470	.7958-02	.6491-02	.7393-02	4.527	37.95	587.8
138	70000	.00000	896.00	.1207	.9900-01	.1123	.3512-02	.2962-02	.3362-02	2.115	27.34	571.2
138	70000	.25000-01	897.00	.2290	.1874	.1928	.6853-02	.5610-02	.5769-02	3.974	36.29	576.8
138	70000	.10000+00	898.00	.2564	.2096	.2244	.7675-02	.6274-02	.6717-02	4.417	30.19	581.0
138	70000	.20000	899.00	.2120	.1735	.1873	.6345-02	.5194-02	.5605-02	3.679	22.39	576.9
138	70000	.30000	901.00	.1706	.1398	.1514	.5106-02	.4184-02	.4531-02	2.978	18.16	573.4
138	70000	.40000	902.00	.1554	.1273	.1375	.4650-02	.3810-02	.4126-02	2.708	16.98	574.2
136	70000	.50000	903.00	.1434	.1175	.1273	.4292-02	.3516-02	.3811-02	2.497	15.65	574.9
138	70000	.60000	904.00	.1091	.8970-01	.1005	.3267-02	.2684-02	.3008-02	1.935	13.76	564.3
138	75000	.00000	905.00	.1072	.8860-01	.1001	.3208-02	.2650-02	.2935-02	1.959	15.57	546.0
138	75000	.25000-01	906.00	.2913	.2379	.2444	.8719-02	.7119-02	.7315-02	4.987	38.88	584.7
138	75000	.50000-01	907.00	.3223	.2633	.2776	.9645-02	.7881-02	.8308-02	5.538	40.34	582.5
138	75000	.10000+00	907.00	.2944	.2404	.2574	.8810-02	.7195-02	.7705-02	5.042	34.40	584.3

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(OTO) BTU/ R FT2SEC	H(ITO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
138	.75000	.20000	908.00	.2024	.1656	.1788	.6057-02	.4957-02	.5352-02	3.509	24.02	577.3
138	.75000	.30000	909.00	.1757	.1440	.1557	.5257-02	.4309-02	.4659-02	3.070	19.26	572.7
138	.75000	.40000	910.00	.1537	.1259	.1362	.4601-02	.3770-02	.4078-02	2.680	17.30	574.1
138	.75000	.50000	911.00	.1381	.1132	.1227	.4134-02	.3389-02	.3672-02	2.418	16.10	571.7
138	.75000	.60000	912.00	.1266	.1039	.1145	.3790-02	.3109-02	.3427-02	2.221	15.08	570.6
138	.75000	.70000	913.00	.1139	.9370-01	.1049	.3411-02	.2804-02	.3140-02	2.025	14.65	562.8
138	.75000	.80000	914.00	.8690-01	.7150-01	.8060-01	.2602-02	.2141-02	.2412-02	1.553	11.64	559.7
138	.80000	.90000	915.00	.2182	.1784	.2029	.6530-02	.5339-02	.6072-02	3.762	34.29	580.5
138	.80000	.20000	916.00	.2376	.1943	.2099	.7111-02	.5814-02	.6282-02	4.097	28.01	580.4
138	.80000	.40000	917.00	.1604	.1313	.1419	.4800-02	.3929-02	.4248-02	2.782	19.66	577.1
138	.80000	.60000	918.00	.1208	.9920-01	.1111	.3615-02	.2969-02	.3324-02	2.137	15.45	565.3
138	.80000	.80000	919.00	.2325	.1905	.2163	.6958-02	.5701-02	.6475-02	4.056	31.80	573.7
138	.85000	.20000	920.00	.2166	.1771	.1910	.6484-02	.5300-02	.5716-02	3.728	26.29	571.8
138	.85000	.40000	921.00	.1833	.1499	.1619	.5486-02	.4485-02	.4846-02	3.160	23.04	580.6
138	.85000	.60000	922.00	.1236	.1018	.1153	.3700-02	.3046-02	.3450-02	2.216	17.51	557.7
138	.90000	.80000	923.00	.2188	.1793	.1923	.6548-02	.5367-02	.5756-02	3.822	27.98	572.9
138	.90000	.20000	924.00	.2225	.1819	.1958	.6660-02	.5445-02	.5861-02	3.834	27.05	590.9
138	.90000	.40000	925.00	.2208	.1804	.1948	.6507-02	.5401-02	.5831-02	3.800	26.80	581.5
138	.90000	.60000	926.00	.1798	.1470	.1530	.5381-02	.4401-02	.4759-02	3.106	21.93	579.3
138	.90000	.80000	927.00	.1526	.1251	.1377	.4567-02	.3745-02	.4123-02	2.674	20.62	571.1
138	.90000	.90000	928.00	.1081	.8980-01	.9970-01	.3237-02	.2658-02	.2983-02	1.910	15.03	566.5
138	.95000	.20000	929.00	.7580-01	.6260-01	.7070-01	.2268-02	.1874-02	.2117-02	1.384	10.27	546.4
138	.95000	.40000	930.00	.1410	.1161	.1224	.4220-02	.3475-02	.3662-02	2.529	18.05	557.3
138	.95000	.60000	931.00	.1670	.1372	.1464	.4999-02	.4105-02	.4381-02	2.951	21.67	566.3
138	.95000	.80000	932.00	.2036	.1668	.1797	.6094-02	.4932-02	.5380-02	3.547	24.32	574.5
138	.95000	.90000	933.00	.2027	.1658	.1791	.6067-02	.4963-02	.5362-02	3.506	24.76	578.7
138	.95000	.20000	934.00	.1537	.1259	.1362	.4501-02	.3770-02	.4078-02	2.682	19.62	573.8
138	.95000	.40000	935.00	.1602	.1313	.1431	.4795-02	.3929-02	.4233-02	2.797	20.82	573.2
138	.95000	.60000	936.00	.1592	.1307	.1447	.4765-02	.3912-02	.4331-02	2.808	20.61	567.4
138	.95000	.80000	937.00	.1529	.8470-01	.9480-01	.3081-02	.2534-02	.2638-02	1.834	13.73	561.5

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL09)

PARAMETRIC DATA

ALPHA = 50.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
109	7.980	2.007	50.11	.0000	180.0	432.1	.4500-01	1293.	94.10	2.005	3794.	.4009-04
110	7.980	2.009	50.11	.0000	180.0	433.9	.4500-01	1296.	94.30	2.014	3798.	.4013-04
111	7.980	2.007	50.07	.0000	180.0	434.2	.4500-01	1297.	94.40	2.015	3800.	.4015-04

RUN NUMBER	MJ LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
109	.7580-07	.3474-01	0.0175
110	.7594-07	.3483-01	.2877-01
111	.7604-07	.3485-01	.2875-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
111	.30000	.00000	845.00	.4340-01	.3580-01	.4050-01	.1511-02	.1249-02	.1411-02	.9330	10.36	550.1
111	.30000	.5000-01	846.00	.1519	.1243	.1314	.5295-02	.4331-02	.4580-02	3.085	33.66	585.1
111	.30000	.1000+00	847.00	.1407	.1153	.1223	.4902-02	.4016-02	.4263-02	2.884	24.28	579.2
111	.30000	.20000	848.00	.1421	.1166	.1246	.4952-02	.4063-02	.4344-02	2.936	20.78	574.6
111	.30000	.40000	850.00	.9120-01	.7460-01	.8040-01	.3179-02	.2599-02	.2801-02	1.847	13.00	586.6
111	.30000	.50000	851.00	.9420-01	.7690-01	.8350-01	.3283-02	.2681-02	.2910-02	1.895	13.75	590.3
111	.30000	.60000	852.00	.1002	.8170-01	.8970-01	.3490-02	.2648-02	.3091-02	2.009	14.57	592.0
111	.30000	.70000	853.00	.1149	.9390-01	.1019	.4005-02	.3268-02	.3551-02	2.302	16.14	592.9
111	.30000	.80000	854.00	.1459	.1191	.1300	.5084-02	.4149-02	.4531-02	2.929	21.24	591.5
111	.30000	.90000	855.00	.1014	.8330-01	.9270-01	.3533-02	.2904-02	.3229-02	2.119	15.29	567.9
111	.30000	.95000	856.00	.1102	.9070-01	.1018	.3840-02	.3162-02	.3547-02	2.323	16.53	562.8
111	.35000	.00000	857.00	.1275	.1049	.1188	.4443-02	.3654-02	.4140-02	2.671	22.63	566.5
111	.40000	.00000	858.00	.1507	.1233	.1402	.5252-02	.4297-02	.4884-02	3.067	30.45	583.6
111	.40000	.50000-01	859.00	.3109	.2533	.2643	.1083-01	.8827-02	.9210-02	6.183	43.28	596.8
111	.40000	.1000+00	860.00	.2385	.1945	.2067	.8311-02	.6780-02	.7202-02	4.773	33.47	593.2
111	.40000	.20000	861.00	.1538	.1257	.1356	.5361-02	.4381-02	.4726-02	3.108	22.58	587.9
111	.40000	.30000	862.00	.1287	.1051	.1140	.4485-02	.3663-02	.3974-02	2.595	18.23	589.1

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04-498 (AEDC V418-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R F12SEC	H(T01) BTU/ R F12SEC	H(TAM) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTWOT DEG. R /SEC	TW DEG. R
111	40000	40000	863.00	.1201	.9810-01	.1065	.4187-02	.3420-02	.3711-02	2.421	18.18	589.4
111	40000	60000	864.00	.1396	.1141	.1235	.4865-02	.3978-02	.4305-02	2.828	18.69	586.4
111	40000	70000	865.00	.1676	.1370	.1486	.5842 02	.4774-02	.5178-02	3.389	22.39	587.4
111	40000	75000	866.00	.1470	.1203	.1305	.5124 02	.4191-02	.4560-02	2.987	21.74	584.6
111	40000	85000	867.00	.1464	.1201	.1325	.5102-02	.4184-02	.4616-02	3.017	22.42	576.2
111	40000	90000	868.00	.1295	.1063	.1192	.4511-02	.3703-02	.4153-02	2.682	22.65	573.0
111	40000	95000	869.00	.1209	.9930-01	.1122	.4213-02	.3462-02	.3909-02	2.519	20.14	569.7
111	50000	00000	871.00	.3493	.2844	.3242	.1217-01	.9905-02	.1137-01	5.552	55.52	599.4
111	50000	10000+01	872.00	.2956	.2406	.2521	.1030-01	.8383-02	.878-02	5.842	43.64	600.4
111	50000	20000	873.00	.1993	.1628	.1740	.6944-02	.5674-02	.6065-02	4.027	29.26	587.7
111	50000	30000	874.00	.496	.1224	.1322	.5212-02	.4266-02	.4608-02	3.048	21.49	582.7
111	50000	40000	875.00	.1287	.1054	.1140	.4485-02	.3671-02	.3974-02	2.624	18.50	582.6
111	50000	50000	876.00	.1265	.1035	.1121	.4409-02	.3606-02	.3908-02	2.569	18.09	584.9
111	50000	60000	877.00	.1390	.1136	.1233	.4844-02	.3960-02	.4296-02	2.816	19.20	586.1
111	50000	70000	878.00	.1207	.9920-01	.1076	.4207-02	.3456-02	.3748-02	2.509	19.35	571.2
111	55000	80000	879.00	.4324	.3474	.3993	.1507-01	.1211-01	.1391-01	7.994	65.42	637.1
111	60000	90000	880.00	.4197	.3377	.3878	.1463-01	.1177-01	.1351-01	7.809	69.34	633.8
111	60000	25000-01	881.00	.5511	.4439	.4584	.1920-01	.1547-01	.1597-01	10.32	75.94	630.4
111	60000	50000-01	882.00	.3267	.2643	.2773	.1138-01	.9210-02	.9685-02	6.257	58.42	618.0
111	60000	75000-01	883.00	.3430	.2784	.2968	.1195-01	.9702-02	.1034-01	6.679	48.02	608.9
111	60000	10000+00	884.00	.2678	.2184	.2344	.9332-02	.7611-02	.8170-02	5.352	37.52	594.0
111	60000	20000	885.00	.1711	.1401	.1516	.5963-02	.4881-02	.5282-02	3.490	24.60	582.4
111	60000	30000	886.00	.1545	.1264	.1369	.5385-02	.4406-02	.4769-02	3.146	20.82	583.4
111	60000	40000	887.00	.1367	.1118	.1209	.4763-02	.3896-02	.4214-02	2.777	18.94	584.6
111	60000	50000	888.00	.1315	.1076	.1166	.4581-02	.3749-02	.4064-02	2.677	18.28	583.2
111	60000	60000	889.00	.1293	.1058	.1148	.4505-02	.3689-02	.3999-02	2.641	18.05	581.3
111	60000	80000	891.00	.1215	.9970-01	.1100	.4235-02	.3475-02	.3933-02	2.512	18.37	574.6
111	60000	95000	892.00	.1419	.1165	.1290	.4944-02	.4061-02	.4497-02	2.949	21.25	566.4
111	60000	90000	893.00	.1207	.9930-01	.1114	.4205-02	.3459-02	.3893-02	2.528	18.88	566.4
111	60000	95000	894.00	.9520-01	.7840-01	.8940-01	.3318-02	.2732-02	.3081-02	2.008	15.02	562.3
111	65000	00000	895.00	.2604	.2124	.2418	.9073-02	.7401-02	.8427-02	5.209	43.54	593.5
111	70000	00000	896.00	.1221	.1003	.1137	.4255-02	.3494-02	.3962-02	2.534	32.75	571.9
111	70000	25000-01	897.00	.2253	.1845	.1898	.7850-02	.6431-02	.6613-02	4.616	42.09	579.6
111	70000	50000+00	898.00	.2575	.2105	.2254	.8973-02	.7335-02	.7853-02	5.212	35.52	596.7
111	70000	75000	899.00	.2196	.1799	.1941	.7651-02	.6268-02	.6762-02	4.496	27.33	580.0
111	70000	900.00	900.00	.1765	.1447	.1567	.6150-02	.5044-02	.5461-02	3.638	22.16	576.0
111	70000	10000	901.00	.1655	.1356	.1469	.5765-02	.4726-02	.5118-02	3.401	21.29	577.6
111	70000	20000	902.00	.1569	.1286	.1394	.5469-02	.4481-02	.4858-02	3.219	20.13	579.1
111	70000	30000	903.00	.1414	.1163	.1303	.4927-02	.4053-02	.4539-02	2.963	21.06	566.2
111	70000	40000	904.00	.1747	.1440	.1629	.6087-02	.5018-02	.5677-02	3.706	29.27	558.7
111	75000	50000	905.00	.2885	.2358	.2423	.1005-01	.8217-02	.8442-02	5.832	45.41	587.5
111	75000	25000-01	906.00	.3168	.2589	.2730	.1104-01	.9024-02	.9513-02	6.407	46.56	587.3
111	75000	50000-01	907.00	.2862	.2337	.2504	.9975-02	.8146-02	.8724-02	5.761	39.20	590.0

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(RVIL09)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(OTO) BTU/ R FT2SEC	H(OTO) BTU/ R FT2SEC	H(TAM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TM DEG. R
111	.75000	.20000	908.00	.2059	.1686	.1820	.7175-02	.5875-02	.6343-02	4.207	28.75	581.3
111	.75000	.30000	909.00	.1812	.1487	.1607	.6315-02	.5182-02	.5601-02	3.747	23.49	574.3
111	.75000	.40000	910.00	.1579	.1295	.1400	.5503-02	.4511-02	.4860-02	3.247	20.92	577.5
111	.75000	.60000	911.00	.1326	.1252	.1356	.5318-02	.4362-02	.4726-02	3.148	20.92	575.6
111	.75000	.80000	912.00	.1596	.1309	.1443	.5561-02	.4560-02	.5029-02	3.287	26.69	576.5
111	.75000	.90000	913.00	.1509	.1242	.1390	.5259-02	.4329-02	.4845-02	3.176	22.97	563.7
111	.75000	.95000	914.00	.1097	.9040-01	.1018	.3824-02	.3151-02	.3547-02	2.322	17.39	560.6
111	.80000	.00000	915.00	.2233	.1829	.2078	.7783-02	.6373-02	.7240-02	4.564	41.58	581.2
111	.80000	.20000	916.00	.2219	.1818	.1963	.7734-02	.6335-02	.6841-02	4.542	31.05	580.3
111	.80000	.40000	917.00	.1646	.1349	.1458	.5738-02	.4700-02	.5080-02	3.372	23.80	579.9
111	.80000	.60000	918.00	.1580	.1300	.1454	.5507-02	.4530-02	.5069-02	3.312	23.92	566.2
111	.80000	.80000	919.00	.2340	.1921	.2179	.8155-02	.6695-02	.7594-02	4.853	38.06	572.5
111	.80000	.20000	920.00	.2215	.1813	.1955	.7722-02	.6319-02	.6814-02	4.511	31.79	583.4
111	.85000	.40000	921.00	.1887	.1544	.1668	.6577-02	.5381-02	.5814-02	3.838	27.94	584.0
111	.90000	.00000	922.00	.1240	.1024	.1157	.4322-02	.3568-02	.4033-02	2.655	21.02	553.4
111	.90000	.10000+00	923.00	.2181	.1791	.1920	.7601-02	.6240-02	.6690-02	4.519	33.07	573.1
111	.90000	.20000	924.00	.2251	.1841	.1982	.7843-02	.6417-02	.6907-02	4.577	32.24	584.1
111	.90000	.30000	925.00	.2255	.1846	.1992	.7861-02	.6432-02	.6942-02	4.590	32.34	583.7
111	.90000	.50000	926.00	.1891	.1548	.1673	.6589-02	.5393-02	.5832-02	3.855	27.17	582.5
111	.90000	.80000	927.00	.1938	.1590	.1750	.6753-02	.5540-02	.6038-02	3.999	30.77	575.4
111	.90000	.90000	928.00	.1543	.1269	.1423	.5378-02	.4423-02	.4950-02	3.230	25.41	566.9
111	.95000	.00000	929.00	.7920-01	.6560-01	.7400-01	.2759-02	.2287-02	.2578-02	1.736	12.93	538.3
111	.95000	.50000-01	930.00	.1418	.1171	.1233	.4941-02	.4081-02	.4298-02	3.042	21.78	551.9
111	.95000	.10000+00	931.00	.1636	.1347	.1436	.5702-02	.4694-02	.5006-02	3.444	25.32	563.6
111	.95000	.20000	932.00	.1938	.1632	.1758	.6929-02	.5687-02	.6126-02	4.116	28.23	573.6
111	.95000	.30000	933.00	.2065	.1691	.1826	.7196-02	.5893-02	.6365-02	4.224	29.80	580.6
111	.95000	.50000	934.00	.1568	.1286	.1391	.5163-02	.4483-02	.4847-02	3.242	23.71	574.2
111	.95000	.70000	935.00	.2203	.1806	.1968	.7677-02	.6292-02	.6860-02	4.527	33.61	577.9
111	.95000	.80000	936.00	.2287	.1879	.2080	.7971-02	.6549-02	.7248-02	4.761	34.89	570.3
111	.95000	.90000	937.00	.1659	.1367	.1529	.5781-02	.4762-02	.5330-02	3.505	26.23	561.4

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LOWER WING

OH-438 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL09)

PARAMETRIC DATA

ALPHA = 50.03 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0003 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
115	7.990	2.491	50.08	.0000	180.0	544.6	.5600-01	1303.	94.70	2.513	3809.	.4985-04
116	7.990	2.473	50.09	.0000	180.0	542.6	.5600-01	1306.	94.90	2.504	3814.	.4954-04
117	7.990	2.485	50.09	.0000	180.0	543.1	.5600-01	1303.	94.60	2.506	3809.	.4972-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
115	.7621-07	.3895-01	0.0175
116	.7639-07	.3889-01	.2583-01
117	.7619-07	.3889-01	.2585-01

TEST DATA

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	CDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TN DEG. R
117	.30000	.00000	845.00	.4480-01	.3700-01	.4180-01	.1741-02	.1439-02	.1626-02	1.080	11.98	552.3
117	.30000	.50000-01	846.00	.1489	.1216	.1286	.5731-02	.4730-02	.5004-02	3.365	36.60	591.6
117	.30000	.10000+00	847.00	.1377	.1127	.1197	.5354-02	.4384-02	.4654-02	3.152	26.47	583.9
117	.30000	.20000	848.00	.1434	.1176	.1257	.5577-02	.4573-02	.4890-02	3.309	23.37	579.2
117	.30000	.40000	850.00	.9350-01	.7630-01	.8230-01	.3636-02	.2958-02	.3200-02	2.106	14.76	593.5
117	.30000	.50000	851.00	.1149	.9360-01	.1017	.4463-02	.3641-02	.3955-02	2.551	18.50	599.6
117	.30000	.60000	852.00	.1530	.1245	.1353	.5952-02	.4843-02	.5261-02	3.385	24.40	603.9
117	.30000	.70000	853.00	.1969	.1600	.1741	.6577-02	.5375-02	.6772-02	4.324	30.10	608.0
117	.30000	.80000	854.00	.2465	.2002	.2191	.9589-02	.7787-02	.8521-02	5.397	38.79	609.8
117	.30000	.90000	855.00	.1587	.1300	.1448	.6171-02	.5057-02	.5632-02	3.650	26.17	581.1
117	.30000	.95000	856.00	.1585	.1382	.1554	.6554-02	.5375-02	.6043-02	3.892	27.49	578.8
117	.35000	.00000	857.00	.1195	.9630-01	.1114	.4652-02	.3824-02	.4334-02	2.802	23.70	570.1
117	.40000	.00000	858.00	.1507	.1231	.1401	.5861-02	.4787-02	.5447-02	3.401	33.61	582.4
117	.40000	.50000-01	859.00	.3137	.2550	.2661	.1220-01	.9917-02	.1035-01	6.899	48.04	607.2
117	.40000	.10000+00	860.00	.2418	.1968	.2091	.9403-02	.7653-02	.8134-02	5.358	37.40	602.8
117	.40000	.20000	861.00	.1512	.1314	.1419	.6213-02	.5112-02	.5519-02	3.606	26.08	597.5
117	.40000	.30000	862.00	.1483	.1208	.1312	.5769-02	.4698-02	.5112-02	3.296	23.02	601.2

(RVIL09)

AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

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RUN	2Y/B	X/C	T/C NO	H/HREF R=0.5	H/HREF R=1.0	H/HREF (TAN)	H(1910) BTU/ R FT2SEC	H(170) BTU/ R FT2SEC	H(170) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
117	40000	40000	863.00	.1496	.1217	.1323	.5817-02	.4734-02	.5144-02	3.314	24.72	602.9
117	40000	60000	864.00	.2169	.1766	.1914	.8437-02	.6869-02	.7446-02	4.816	31.59	601.8
117	40000	70000	865.00	.2447	.1931	.2163	.9519-02	.7743-02	.8413-02	5.408	35.42	601.0
117	40000	75000	866.00	.2248	.1830	.1995	.8742-02	.7119-02	.7759-02	4.997	36.07	591.2
117	40000	85000	867.00	.2105	.1720	.1901	.8199-02	.6690-02	.7393-02	4.761	35.12	589.4
117	40000	90000	868.00	.1878	.1535	.1725	.7305-02	.5971-02	.6711-02	4.261	35.69	588.4
117	50000	95000	869.00	.1900	.1554	.1759	.7391-02	.6043-02	.6843-02	4.318	34.21	588.4
117	50000	10000	871.00	.3560	.2891	.3302	.1385-01	.1124-01	.1284-01	7.788	62.18	610.3
117	50000	50000-01	872.00	.3033	.2460	.2579	.1180-01	.9569-02	.1003-01	6.605	49.04	612.7
117	50000	10000+00	873.00	.2058	.1677	.1794	.8003-02	.6523-02	.6977-02	4.594	33.20	598.6
117	50000	20000	874.00	.1598	.1304	.1410	.6215-02	.5072-02	.5485-02	3.594	25.19	594.4
117	50000	30000	875.00	.1465	.1212	.1313	.5777-02	.4712-02	.5106-02	3.332	23.33	595.9
117	50000	40000	876.00	.1615	.1316	.1428	.6283-02	.5119-02	.5555-02	3.603	25.19	599.2
117	50000	50000	877.00	.1961	.1596	.1735	.7628-02	.6209-02	.6747-02	4.349	29.41	602.5
117	50000	60000	878.00	.1748	.1430	.1553	.6799-02	.5561-02	.6041-02	3.977	30.42	587.7
117	50000	70000	879.00	.4348	.3478	.4009	.1691-01	.1353-01	.1559-01	8.802	71.51	652.2
117	50000	80000	880.00	.4249	.3402	.3918	.1652-01	.1323-01	.1534-01	8.647	76.21	649.4
117	60000	25000-01	881.00	.5543	.4442	.4590	.2156-01	.1728-01	.1785-01	11.33	82.70	647.3
117	60000	50000-01	882.00	.3292	.2650	.2789	.1280-01	.1031-01	.1085-01	6.887	63.79	634.8
117	60000	75000-01	883.00	.3473	.2805	.2995	.1351-01	.1091-01	.1165-01	7.395	52.75	625.2
117	60000	10000+00	884.00	.2765	.2247	.2415	.1076-01	.8738-02	.9391-02	6.069	42.24	608.4
117	60000	20000	885.00	.1830	.1492	.1617	.7116-02	.5804-02	.6299-02	4.099	28.70	596.6
117	60000	30000	886.00	.1730	.1410	.1528	.5728-02	.4833-02	.5344-02	3.861	25.36	598.8
117	60000	40000	887.00	.1653	.1355	.1467	.6467-02	.5270-02	.5707-02	3.708	25.12	593.2
117	60000	50000	888.00	.1693	.1330	.1498	.6586-02	.5368-02	.5827-02	3.783	25.64	598.1
117	60000	60000	889.00	.1763	.1438	.1561	.6856-02	.5592-02	.6072-02	3.953	26.82	596.0
117	60000	70000	891.00	.1702	.1392	.1538	.6621-02	.5415-02	.5981-02	3.876	28.17	587.2
117	60000	85000	892.00	.1888	.1546	.1715	.7344-02	.6013-02	.6669-02	4.323	30.95	583.9
117	60000	90000	893.00	.1721	.1411	.1586	.6693-02	.5486-02	.6170-02	3.964	29.39	580.4
117	60000	95000	894.00	.1459	.1198	.1353	.5676-02	.4659-02	.5264-02	3.591	25.21	575.1
117	60000	10000	895.00	.2551	.2075	.2367	.9923-02	.8072-02	.9208-02	5.637	46.87	604.5
117	70000	25000-01	896.00	.1233	.1010	.1147	.4794-02	.3226-02	.4461-02	5.144	46.59	593.1
117	70000	50000-01	897.00	.2282	.1663	.1917	.8877-02	.7248-02	.8456-02	5.791	39.15	593.0
117	70000	10000+00	898.00	.2614	.2127	.2281	.1017-01	.8274-02	.8871-02	5.033	30.35	596.3
117	70000	20000	899.00	.2245	.1831	.1979	.8733-02	.7123-02	.7696-02	4.581	26.47	592.1
117	70000	30000	900.00	.1940	.1585	.1718	.7546-02	.6163-02	.6653-02	4.381	25.92	593.3
117	70000	40000	901.00	.1852	.1512	.1640	.7205-02	.5882-02	.6379-02	4.174	26.64	594.0
117	70000	50000	902.00	.1907	.1556	.1689	.7417-02	.6054-02	.6571-02	4.291	26.64	594.0
117	70000	60000	903.00	.2185	.1790	.2009	.8499-02	.6960-02	.7815-02	5.010	35.31	583.1
117	70000	70000	904.00	.1291	.1055	.1205	.5022-02	.4145-02	.4686-02	3.092	24.44	557.0
117	75000	25000-01	905.00	.2863	.2320	.2393	.1112-01	.9054-02	.9307-02	6.340	48.99	602.7
117	75000	50000-01	906.00	.3155	.2567	.2709	.1227-01	.9983-02	.1054-01	6.972	50.24	604.6
117	75000	10000+00	907.00	.2590	.2429	.2606	.1163-01	.9448-02	.1013-01	6.564	44.26	608.2

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(RV1109)

OH-498 (AEDC V418-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R-0 9	H/HREF R-1.0	H/HREF (TAH)	H19T0) BTU/ R F12SEC	H1T0) BTU/ R F12SEC	H1TAH) BTU/ R F12SEC	QDOT BTU/ F12SEC	CTNOT (DEG. R /SEC	TH DEG. R
117	75000	20000	908.00	.2159	.1759	.1903	.8396-02	.6843-02	.7400-02	4.818	32.84	598.8
117	75000	30000	909.00	.1920	.1569	.1920	.7469-02	.6102-02	.6606-02	4.345	27.01	591.0
117	75000	40000	910.00	.1770	.1445	.1565	.6884-02	.5520-02	.6088-02	3.987	25.49	593.5
117	75000	60000	911.00	.1810	.1479	.1605	.7040-02	.5732-02	.6241-02	4.086	27.02	590.8
117	75000	80000	912.00	.2268	.1852	.2046	.8821-02	.7203-02	.7958-02	5.115	41.19	592.8
117	75000	90000	913.00	.2303	.1888	.2117	.8957-02	.7342-02	.8235-02	5.307	38.07	580.2
117	75000	95000	914.00	.1806	.1481	.1672	.7024-02	.5761-02	.6502-02	4.173	30.98	578.5
117	80000	00000	915.00	.2189	.1785	.2033	.8515-02	.6943-02	.7909-02	4.900	44.29	597.2
117	80000	20000	916.00	.2124	.1729	.1871	.8261-02	.6726-02	.7279-02	4.717	31.91	601.6
117	80000	40000	917.00	.1839	.1499	.1623	.7152-02	.5831-02	.6314-02	4.114	28.79	597.5
117	80000	90000	918.00	.2380	.1947	.2185	.9256-02	.7575-02	.8499-02	5.432	38.86	585.8
117	85000	00000	919.00	.2405	.1970	.2240	.9369-02	.7661-02	.8712-02	5.476	42.62	589.2
117	85000	20000	920.00	.2321	.1889	.2041	.9029-02	.7348-02	.7938-02	5.145	35.91	602.7
117	85000	40000	921.00	.2072	.1686	.1825	.8059-02	.6558-02	.7093-02	4.590	33.10	603.1
117	90000	00000	922.00	.1240	.1021	.1156	.4824-02	.3971-02	.4497-02	2.925	23.02	566.2
117	90000	10000+00	923.00	.2170	.1772	.1503	.8438-02	.6894-02	.7402-02	4.907	35.59	591.1
117	90000	20000	924.00	.2448	.1932	.2148	.9322-02	.7748-02	.8355-02	5.419	37.80	603.6
117	90000	30000	925.00	.2267	.1844	.1995	.8818-02	.7173-02	.7758-02	5.012	34.95	604.3
117	90000	50000	926.00	.2057	.1675	.1814	.7999-02	.6513-02	.7056-02	4.569	31.91	601.4
117	90000	80000	927.00	.2819	.2299	.2537	.1096-01	.8943-02	.9869-02	6.324	48.17	595.8
117	90000	90000	928.00	.2436	.1591	.2240	.9473-02	.7744-02	.8713-02	5.528	43.01	589.1
117	95000	00000	929.00	.8080-01	.6680-01	.7550-01	.3143-02	.2539-02	.2935-02	1.955	14.47	550.5
117	95000	50000-01	930.00	.1452	.1135	.1260	.5649-02	.4650-02	.4301-02	3.425	24.34	566.4
117	95000	10000+00	931.00	.1717	.1408	.1503	.6680-02	.5476-02	.5847-02	3.957	29.86	580.2
117	95000	20000	932.00	.2057	.1680	.1813	.8001-02	.6335-02	.7051-02	4.646	31.58	592.0
117	95000	30000	933.00	.2191	.1785	.1931	.8520-02	.6942-02	.7511-02	4.883	34.14	599.5
117	95000	50000	934.00	.1680	.1372	.1486	.6335-02	.5330-02	.5780-02	3.788	27.45	593.0
117	95000	70000	935.00	.2730	.2225	.2431	.1062-01	.8655-02	.9456-02	6.097	44.81	598.5
117	95000	80000	936.00	.2857	.2358	.2617	.1123-01	.9172-02	.1018-01	6.522	47.29	591.9
117	95000	90000	937.00	.2227	.1819	.2042	.8635-02	.7076-02	.7941-02	5.106	37.84	581.4

AEDC VKF V41B-57A (OH-49B) COLLATION CHECK
04-49B (AEDC V41B 57A) ORBITER LOWER WING

DATE 25 AUG 76

LOWER WING

PARAMETRIC DATA

ALPHA = 50.00 BETA .0000 ELEVTR = .0000 SPDBRK = .0000
BOFLAP = .0000 MACH 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODE. DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
64	7.990	2.955	50.11	.0000	180.0	676.6	.7000-01	1344.	97.60	3.122	3868.	.6005-04
65	7.990	2.963	50.13	.0000	180.0	677.5	.7000-01	1343.	97.50	3.126	3867.	.6017-04
66	7.990	2.991	50.18	.0000	180.0	678.4	.7000-01	1336.	97.00	3.131	3856.	.6039-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
64	.7859-07	.4365-01	0.0175
65	.7853-07	.4367-01	.2360-01
66	.7810-07	.4366-01	.2358-01

TEST DATA

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
65	.30000	.00000	845.00	.4540-01	.3770-01	.4250-01	.1982-02	.1644-02	.1754-02	1.287	14.27	552.8
66	.30000	.50000-01	846.00	.1435	.1174	.1241	.6263-02	.5125-02	.5417-02	3.767	40.80	600.5
65	.30000	.10000-00	847.00	.1350	.1108	.1175	.5895-02	.4838-02	.5132-02	3.603	30.16	590.9
65	.30000	.20000	848.00	.1442	.1195	.1266	.6225-02	.5174-02	.5526-02	3.880	27.31	585.8
65	.30000	.40000	850.00	.1096	.8960-01	.9650-01	.4783-02	.3913-02	.4214-02	2.872	20.05	601.7
66	.30000	.50000	851.00	.1620	.1321	.1434	.7072-02	.5766-02	.6259-02	4.169	29.92	612.7
65	.30000	.60000	852.00	.2271	.1848	.2006	.9913-02	.8066-02	.8759-02	5.782	41.37	618.9
66	.30000	.70000	853.00	.2841	.2307	.2511	.1240-01	.1007-01	.1096-01	7.157	49.41	625.1
66	.30000	.80000	854.00	.3186	.2586	.2829	.1301-01	.1129-01	.1235-01	7.999	57.01	627.1
66	.30000	.90000	855.00	.1981	.1626	.1809	.8651-02	.7098-02	.7897-02	5.283	37.69	531.4
66	.30000	.95000	856.00	.1946	.1598	.1794	.8494-02	.6976-02	.7834-02	5.214	36.85	588.3
66	.35000	.00000	857.00	.1039	.8740-01	.9890-01	.4644-02	.3814-02	.4316-02	2.905	24.52	573.9
66	.35000	.00000	858.00	.1535	.1255	.1428	.6700-02	.5480-02	.6233-02	4.022	39.57	601.8
66	.40000	.50000-01	859.00	.1535	.2633	.2747	.1413-01	.1149-01	.1199-01	8.223	56.90	620.3
65	.40000	.10000-00	860.00	.2587	.2108	.2239	.1130-01	.9202-02	.9775-02	6.628	45.98	615.3
66	.40000	.20000	861.00	.1856	.1515	.1634	.8104-02	.6812-02	.7134-02	4.799	34.49	609.9
66	.40000	.30000	862.00	.1907	.1553	.1686	.8324-02	.6779-02	.7359-02	4.879	33.83	616.0

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

6

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(RV1L09)

OH-49B (AEDC V41B-57A) OFBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(ISO) BTU/R FT2SEC	H(ISO) BTU/R FT2SEC	H(TO) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
66	40000	.40000	863.00	.2087	.1698	.1844	.9110-02	.7411-02	.8052-02	5.310	39.30	619.2
66	40000	.60000	864.00	.3090	.2516	.2726	.1349-01	.1098-01	.1190-01	7.892	51.39	617.1
66	40000	.70000	865.00	.3261	.2652	.2880	.1424-01	.1158-01	.1258-01	8.271	53.74	621.2
66	40000	.75000	866.00	.2995	.2439	.2656	.1308-01	.1065-01	.1160-01	7.660	54.88	616.3
66	40000	.85000	867.00	.2634	.2153	.2378	.1150-01	.9401-02	.1038-01	6.883	50.47	603.4
66	40000	.90000	868.00	.2366	.1935	.2173	.1033-01	.8447-02	.9487-02	6.194	51.56	602.4
66	40000	.95000	869.00	.2306	.1886	.2135	.1007-01	.8233-02	.9319-02	6.038	47.51	602.3
66	50000	.00000	871.00	.3535	.2873	.3280	.1543-01	.1254-01	.1432-01	8.946	71.01	622.4
66	50000	.50000-01	872.00	.3141	.2548	.2671	.1371-01	.1112-01	.1166-01	7.871	58.00	628.1
66	50000	.10000+00	873.00	.2277	.1857	.1985	.9942-02	.8107-02	.8657-02	5.867	42.12	612.0
66	50000	.20000	874.00	.1939	.1583	.1711	.8467-02	.6911-02	.7470-02	5.025	34.97	608.6
66	50000	.30000	875.00	.2022	.1649	.1786	.8826-02	.7198-02	.7797-02	5.211	36.21	611.6
66	50000	.40000	876.00	.2304	.1876	.2035	.1006-01	.8190-02	.8886-02	5.893	40.86	616.1
66	50000	.60000	877.00	.2848	.2316	.2517	.1243-01	.1011-01	.1099-01	7.230	48.45	620.7
66	50000	.80000	878.00	.2082	.1666	.2027	.9965-02	.8147-02	.8848-02	5.985	45.27	603.4
66	55000	.00000	879.00	.4268	.3411	.3935	.1863-01	.1489-01	.1718-01	9.912	79.84	670.1
66	60000	.00000	880.00	.4208	.3305	.3881	.1837-01	.1469-01	.1694-01	9.799	85.57	668.7
66	60000	.25000-01	881.00	.5497	.4397	.4543	.2400-01	.1920-01	.1984-01	12.81	92.56	668.5
66	60000	.50000-01	882.00	.3412	.2743	.2887	.1900-01	.1197-01	.1260-01	8.151	74.76	655.0
66	60000	.75000-01	883.00	.3667	.2959	.3159	.1601-01	.1292-01	.1379-01	8.933	63.14	644.2
66	60000	.10000+00	884.00	.2965	.2407	.2587	.1294-01	.1051-01	.1129-01	7.467	51.55	625.2
66	60000	.20000	885.00	.2134	.1740	.1885	.9315-02	.7595-02	.8229-02	5.493	38.16	612.4
66	60000	.30000	886.00	.2243	.1831	.1985	.9820-02	.7996-02	.8667-02	5.749	37.44	616.7
66	60000	.40000	887.00	.2316	.1884	.2041	.1011-01	.8226-02	.8910-02	5.897	39.56	618.8
66	60000	.50000	888.00	.2493	.2031	.2204	.1088-01	.8655-02	.9624-02	6.383	42.89	615.7
66	60000	.60000	889.00	.2658	.2166	.2352	.1160-01	.9458-02	.1027-01	6.829	45.93	613.6
66	60000	.80000	891.00	.2266	.1853	.2046	.9894-02	.8092-02	.8934-02	5.933	42.79	602.5
66	60000	.85000	892.00	.2443	.2000	.2217	.1066-01	.8730-02	.9679-02	6.428	45.68	599.3
66	60000	.95000	893.00	.2278	.1866	.2098	.9944-02	.8147-02	.9161-02	6.022	44.31	596.5
66	60000	.00000	894.00	.1961	.1609	.1818	.8560-02	.7027-02	.7936-02	5.238	38.65	590.2
66	65000	.00000	895.00	.2552	.2079	.2370	.1114-01	.9075-02	.1035-01	6.533	54.02	615.8
66	70000	.00000	896.00	.1226	.1006	.1142	.5352-02	.4391-02	.4885-02	3.668	41.82	591.5
66	70000	.25000-01	897.00	.2276	.1859	.1912	.9937-02	.8118-02	.8349-02	5.923	53.31	606.0
66	70000	.10000+00	898.00	.2834	.2305	.2471	.1237-01	.1006-01	.1079-01	7.199	48.26	620.3
66	70000	.20000	899.00	.2717	.2215	.2393	.1186-01	.9670-02	.1045-01	6.986	41.77	613.3
66	70000	.30000	900.00	.2306	.1882	.2041	.1007-01	.8218-02	.8910-02	5.972	35.79	608.9
66	70000	.40000	901.00	.2366	.1930	.2093	.1033-01	.8426-02	.9138-02	6.102	37.56	611.5
66	70000	.60000	902.00	.2659	.2167	.2352	.1161-01	.9461-02	.1027-01	6.836	42.04	613.2
66	70000	.90000	903.00	.2576	.2108	.2367	.1125-01	.9504-02	.1033-01	6.766	42.04	613.2
66	70000	.00000	904.00	.1922	.1499	.1699	.7953-02	.6544-02	.7416-02	4.934	38.52	581.8
66	75000	.00000	905.00	.2888	.2351	.2516	.1261-01	.1026-01	.1055-01	7.371	56.55	617.5
66	75000	.25000-01	906.00	.3262	.2651	.2798	.1424-01	.1158-01	.1221-01	8.260	59.02	622.0
66	75000	.50000-01	907.00	.3183	.2583	.2771	.1390-01	.1128-01	.1210-01	7.982	53.32	627.7

AEDC VKF V41B-57A (OH-49B) COLLATION CHECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) OFBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/(TAW) BTU/ R FT2SEC	H(ISO) BTU/ R FT2SEC	H(ISO) BTU/ R FT2SEC	H(ISO) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
66	.75000	.20000	908.00	.2478	.2017	.2181	.1082-01	.8806-02	.9523-02	6.325	42.46	617.4
66	.75000	.30000	909.00	.2314	.1889	.2045	.1010-01	.8248-02	.8929-02	6.000	36.99	608.3
66	.75000	.40000	910.00	.2273	.1853	.2008	.9923-02	.8091-02	.8766-02	5.854	37.08	612.2
66	.75000	.60000	911.00	.2426	.1979	.2148	.1059-01	.8642-02	.9378-02	6.276	41.01	609.5
66	.75000	.80000	912.00	.2755	.2246	.2482	.1203-01	.9805-02	.1084-01	7.091	56.56	612.4
66	.75000	.90000	913.00	.2692	.2205	.2473	.1175-01	.9626-02	.1080-01	7.109	50.57	597.1
66	.75000	.95000	914.00	.2107	.1727	.1945	.9201-02	.7540-02	.8511-02	5.580	41.07	595.6
66	.80000	.00000	915.00	.2201	.1871	.2132	.1002-01	.8169-02	.9308-02	5.913	53.07	611.7
66	.80000	.20000	916.00	.2667	.2170	.2346	.1164-01	.9473-02	.1025-01	6.787	45.52	619.2
66	.80000	.40000	917.00	.2282	.1857	.2011	.9961-02	.8107-02	.8781-02	5.819	40.31	618.0
66	.80000	.60000	918.00	.2830	.2312	.2596	.1235-01	.1010-01	.1133-01	7.374	52.25	605.2
66	.85000	.00000	919.00	.2377	.1944	.2211	.1038-01	.8488-02	.9655-02	6.225	48.12	602.2
66	.85000	.20000	920.00	.2705	.2197	.2375	.1181-01	.9593-02	.1037-01	6.825	47.14	624.2
66	.85000	.40000	921.00	.2517	.2044	.2213	.1099-01	.8923-02	.9663-02	6.335	45.18	625.7
66	.90000	.00000	922.00	.1267	.1044	.1182	.5532-02	.4558-02	.5161-02	3.459	27.07	576.9
66	.90000	.20000	923.00	.2383	.1945	.2089	.1040-01	.8493-02	.9119-02	6.173	44.39	608.8
66	.90000	.40000	924.00	.2667	.2165	.2336	.1164-01	.9453-02	.1020-01	6.711	46.32	625.7
66	.90000	.60000	925.00	.2780	.2257	.2442	.1214-01	.9853-02	.1066-01	6.992	48.25	625.1
66	.90000	.80000	926.00	.2528	.2054	.2226	.1104-01	.8966-02	.9718-02	6.379	44.05	624.3
66	.90000	.00000	927.00	.3518	.2860	.3160	.1536-01	.1248-01	.1379-01	8.914	67.05	621.7
66	.90000	.20000	928.00	.2799	.2283	.2571	.1222-01	.9968-02	.1122-01	7.228	55.64	610.5
66	.95000	.00000	929.00	.8290-01	.6860-01	.7740-01	.3617-02	.2996-02	.3381-02	2.331	17.19	557.8
66	.95000	.50000-01	930.00	.1538	.1267	.1335	.6715-02	.5530-02	.5826-02	4.185	29.55	578.9
66	.95000	.10000+00	931.00	.1852	.1519	.1620	.8087-02	.8626-02	.7074-02	4.901	35.46	596.1
66	.95000	.20000	932.00	.2331	.1901	.2052	.1018-01	.8300-02	.8957-02	6.008	40.45	611.7
66	.95000	.30000	933.00	.2537	.2062	.2232	.1107-01	.9002-02	.9745-02	6.424	44.41	622.0
66	.95000	.50000	934.00	.2070	.1687	.1828	.9035-02	.7364-02	.7979-02	5.316	38.14	613.7
66	.95000	.70000	935.00	.3388	.2754	.3011	.1479-01	.1202-01	.1315-01	8.576	62.30	622.3
66	.95000	.80000	936.00	.3458	.2818	.3130	.1510-01	.1230-01	.1366-01	8.875	63.65	614.2
66	.95000	.90000	937.00	.2436	.1994	.2235	.1064-01	.8706-02	.9773-02	6.410	47.09	599.4

AEDC VKF V418-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V418-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 50.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
112	8.000	3.322	50.13	.0000	180.0	759.8	.7800-01	1340.	97.10	3.487	3863.	.6724-04
113	8.000	3.319	50.13	.0000	180.0	759.3	.7800-01	1340.	97.10	3.484	3863.	.6718-04
114	8.000	3.301	50.16	.0000	180.0	760.3	.7800-01	1347.	97.60	3.489	3872.	.6696-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
112	.7819-07	.4610-01	0.0175
113	.7820-07	.4609-01	.2230-01
114	.7856-07	.4616-01	.2236-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
114	.30000	.00000	845.00	.4620-01	.3830-01	.4320-01	.2133-02	.1770-02	.1995-02	1.399	15.48	556.2
114	.30000	.50000-01	846.00	.1425	.1165	.1232	.6575-02	.5377-02	.5684-02	3.971	42.85	607.9
114	.30000	.10000+00	847.00	.1287	.1055	.1120	.5939-02	.4872-02	.5168-02	3.650	30.45	597.4
114	.30000	.20000	848.00	.1469	.1207	.1289	.6781-02	.5571-02	.5952-02	4.207	29.53	591.5
114	.30000	.40000	850.00	.1313	.1073	.1156	.6062-02	.4954-02	.5337-02	3.650	25.39	609.7
114	.30000	.50000	851.00	.1994	.1623	.1763	.9204-02	.7489-02	.8136-02	5.413	38.64	623.8
114	.30000	.60000	852.00	.2955	.2400	.2608	.1364-01	.1108-01	.1204-01	7.938	56.50	629.9
114	.30000	.70000	853.00	.2755	.2755	.3001	.1569-01	.1271-01	.1385-01	9.025	61.95	636.8
114	.30000	.80000	854.00	.3500	.2834	.3104	.1615-01	.1308-01	.1433-01	9.266	65.68	638.3
114	.30000	.90000	855.00	.2096	.1717	.1912	.9672-02	.7927-02	.8925-02	5.916	42.01	600.3
114	.30000	.95000	856.00	.1983	.1627	.1828	.9153-02	.7507-02	.8437-02	5.624	39.36	597.4
114	.35000	.00000	857.00	.1176	.1097	.1097	.5426-02	.4474-02	.5063-02	3.433	28.90	579.2
114	.40000	.00000	858.00	.1620	.1324	.1507	.7477-02	.6113-02	.6954-02	4.513	44.26	608.4
114	.40000	.50000-01	859.00	.3352	.2723	.2842	.1547-01	.1257-01	.1312-01	9.017	62.13	629.1
114	.40000	.10000+00	860.00	.2736	.2226	.2365	.1263-01	.1027-01	.1092-01	7.418	51.22	624.5
114	.40000	.20000	861.00	.2134	.1739	.1877	.9850-02	.8027-02	.8665-02	5.838	41.77	619.2
114	.40000	.30000	862.00	.2382	.1936	.2103	.1099-01	.8936-02	.9708-02	6.431	44.36	626.9

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RVIL09)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H1970 BTU/ R FT2SEC	H1010 BTU/ R FT2SEC	H1010 BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
114	.40000	.40000	863.00	.2743	.2226	.2421	.1266-01	.1028-01	.1127-01	7.349	54.07	631.4
114	.40000	.60000	854.00	.3723	.3027	.3281	.1718-01	.1397-01	.1515-01	10.06	65.17	626.7
114	.40000	.70000	855.00	.3695	.3000	.3261	.1706-01	.1384-01	.1505-01	9.902	64.03	631.3
114	.40000	.75000	866.00	.3778	.2748	.2995	.1559-01	.1268-01	.1382-01	9.150	65.27	625.1
114	.40000	.85000	867.00	.3774	.2266	.2504	.1281-01	.1046-01	.1156-01	7.683	56.10	611.9
114	.40000	.90000	859.00	.2478	.2024	.2275	.1144-01	.0942-02	.1050-01	6.861	56.83	612.1
114	.40000	.95000	869.00	.2501	.2042	.2314	.1154-01	.0942-02	.1050-01	6.914	54.13	612.9
114	.50000	.00000	871.00	.3574	.2902	.3315	.1650-01	.1359-01	.1530-01	9.589	75.81	630.6
114	.50000	.50000-01	872.00	.3343	.2707	.2839	.1543-01	.1250-01	.1310-01	8.856	64.95	637.3
114	.50000	.10000+00	873.00	.2521	.2053	.2196	.1164-01	.09478-02	.1014-01	8.881	49.19	620.6
114	.50000	.20000	874.00	.2322	.1893	.2047	.1072-01	.0737-02	.0948-02	6.370	44.14	617.5
114	.50000	.30000	875.00	.2455	.1999	.2167	.1133-01	.0925-02	.1000-01	6.686	46.23	621.8
114	.50000	.40000	876.00	.2871	.2334	.2534	.1325-01	.1077-01	.1170-01	7.751	53.46	627.0
114	.50000	.60000	877.00	.3392	.2754	.2995	.1566-01	.1271-01	.1382-01	9.091	60.62	631.3
114	.50000	.90000	878.00	.2570	.2099	.2281	.1186-01	.0966-02	.1053-01	7.105	53.66	613.1
114	.50000	.00000	879.00	.4340	.3462	.3999	.2003-01	.1598-01	.1846-01	10.64	85.27	680.8
114	.60000	.00000	880.00	.4330	.3457	.3991	.1999-01	.1595-01	.1842-01	10.65	92.50	679.3
114	.60000	.25000-01	881.00	.5719	.4563	.4717	.2640-01	.2106-01	.2177-01	14.03	100.8	680.4
114	.60000	.50000-01	882.00	.3533	.2833	.2984	.1631-01	.1308-01	.1377-01	8.889	81.07	666.8
114	.60000	.75000-01	883.00	.3839	.3091	.3302	.1772-01	.1427-01	.1524-01	9.865	69.37	655.1
114	.60000	.10000+00	884.00	.3215	.2607	.2802	.1484-01	.1203-01	.1293-01	8.564	58.85	634.7
114	.60000	.20000	885.00	.2509	.2043	.2214	.1158-01	.09429-02	.1022-01	6.840	47.31	621.1
114	.60000	.30000	886.00	.2696	.2191	.2377	.1244-01	.1011-01	.1097-01	7.280	47.17	626.8
114	.60000	.40000	887.00	.2825	.2294	.2487	.1304-01	.1059-01	.1148-01	7.535	50.59	628.4
114	.60000	.50000	887.00	.3127	.2544	.2763	.1443-01	.1174-01	.1275-01	8.477	56.71	624.6
114	.60000	.60000	888.00	.3216	.2612	.2814	.1484-01	.1209-01	.1313-01	8.761	58.69	621.7
114	.60000	.80000	891.00	.2541	.2078	.2294	.1173-01	.09589-02	.1059-01	7.079	50.92	608.3
114	.60000	.85000	892.00	.2787	.2280	.2529	.1286-01	.1052-01	.1167-01	7.793	55.19	606.0
114	.60000	.90000	893.00	.2590	.2121	.2386	.1195-01	.09787-02	.1101-01	7.269	53.28	603.9
114	.60000	.95000	894.00	.2193	.1759	.2033	.1012-01	.08304-02	.0983-02	6.224	45.78	597.1
114	.60000	.00000	895.00	.2555	.2081	.2373	.1179-01	.09505-02	.1095-01	6.971	57.50	620.8
114	.70000	.00000	896.00	.1236	.1014	.1151	.5703-02	.4681-02	.5312-02	3.517	44.93	595.2
114	.70000	.25000-01	897.00	.2344	.1914	.1969	.1082-01	.0834-02	.0966-02	6.489	58.24	612.0
114	.70000	.50000+00	898.00	.3023	.2456	.2633	.1395-01	.1133-01	.1215-01	8.135	54.30	628.8
114	.70000	.70000	899.00	.2920	.2378	.2570	.1348-01	.1097-01	.1185-01	7.955	47.37	621.7
114	.70000	.30000	900.00	.2636	.2198	.2384	.1244-01	.1015-01	.1101-01	7.407	44.22	616.6
114	.70000	.40000	901.00	.2812	.2292	.2486	.1298-01	.1058-01	.1148-01	7.696	47.20	619.0
114	.70000	.60000	902.00	.3138	.2556	.2776	.1449-01	.1180-01	.1281-01	8.563	52.47	620.7
114	.70000	.90000	903.00	.2762	.2260	.2538	.1275-01	.1043-01	.1171-01	7.727	53.85	605.8
114	.75000	.00000	904.00	.1797	.1481	.1677	.8295-02	.6836-02	.7739-02	5.229	40.83	581.6
114	.75000	.25000-01	905.00	.2955	.2405	.2472	.1364-01	.1100-01	.1141-01	8.028	61.41	623.4
114	.75000	.50000-01	906.00	.3442	.2796	.2951	.1589-01	.1290-01	.1362-01	9.253	65.87	629.5
114	.75000	.10000+00	907.00	.3390	.2747	.2948	.1555-01	.1268-01	.1361-01	9.005	59.89	636.4

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) OFBITER LOWER WING

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(RVIL09)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9T0) BTU/ R FT2SEC	H(1T0) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DT/DT DEC. R /SEC	TW DEC. R
114	.75000	.20000	908.00	.2775	.2258	.2442	.1281-01	.1042-01	.1127-01	7.525	50.35	624.4
114	.75000	.30000	909.00	.2728	.2226	.2410	.1217-01	.1027-01	.1112-01	7.515	46.18	615.1
114	.75000	.40000	910.00	.2636	.2148	.2328	.1217-01	.0914-02	.1074-01	7.211	45.52	619.2
114	.75000	.60000	911.00	.2950	.2407	.2612	.1362-01	.1111-01	.1206-01	8.126	52.96	615.1
114	.75000	.80000	912.00	.3051	.2487	.2749	.1408-01	.1148-01	.1269-01	8.372	66.61	617.4
114	.75000	.90000	913.00	.2847	.2333	.2616	.1314-01	.1077-01	.1208-01	8.025	56.98	601.1
114	.75000	.95000	914.00	.2301	.1886	.2129	.1062-01	.8707-02	.9827-02	6.502	47.76	599.8
114	.80000	.00000	915.00	.2343	.1910	.2177	.1081-01	.8817-02	.1005-01	6.436	57.63	616.7
114	.80000	.20000	916.00	.2939	.2389	.2586	.1357-01	.1103-01	.1194-01	7.929	52.97	627.4
114	.80000	.40000	917.00	.2656	.2160	.2340	.1226-01	.9971-02	.1080-01	7.194	49.67	625.1
114	.85000	.00000	918.00	.3029	.2475	.2778	.1392-01	.1142-01	.1282-01	8.417	59.51	609.7
114	.85000	.00000	919.00	.2464	.2017	.2293	.1137-01	.9307-02	.1058-01	6.901	53.26	605.2
114	.85000	.20000	920.00	.3045	.2471	.2672	.1406-01	.1141-01	.1233-01	8.150	56.08	632.1
114	.90000	.00000	921.00	.2887	.2342	.2537	.1333-01	.1081-01	.1171-01	7.710	54.78	633.3
114	.90000	.10000+00	922.00	.1310	.1081	.1222	.6045-02	.4988-02	.5642-02	3.842	30.07	576.4
114	.90000	.20000	923.00	.2672	.2181	.2342	.1233-01	.1007-01	.1081-01	7.377	52.92	613.6
114	.90000	.30000	924.00	.2993	.2429	.2621	.1382-01	.1121-01	.1210-01	8.005	55.07	632.5
114	.90000	.40000	925.00	.3189	.2585	.2798	.1472-01	.1193-01	.1292-01	8.493	58.36	634.8
114	.90000	.50000	926.00	.2926	.2375	.2575	.1350-01	.1095-01	.1188-01	7.837	53.94	631.5
114	.90000	.60000	927.00	.3740	.3042	.3360	.1726-01	.1404-01	.1551-01	10.13	76.04	625.2
114	.90000	.80000	928.00	.2935	.2395	.2697	.1355-01	.1106-01	.1245-01	8.099	62.24	614.0
114	.95000	.00000	929.00	.8520-01	.7070-01	.7970-01	.3934-02	.3265-02	.3680-02	2.584	19.08	555.1
114	.95000	.50000-01	930.00	.1662	.1370	.1443	.7671-02	.6325-02	.6662-02	4.853	34.27	579.2
114	.95000	.10000+00	931.00	.2005	.1644	.1755	.9255-02	.7589-02	.8101-02	5.677	41.03	598.5
114	.95000	.20000	932.00	.2602	.2122	.2290	.1201-01	.9793-02	.1057-01	7.144	47.96	617.1
114	.95000	.30000	933.00	.2833	.2302	.2492	.1307-01	.1062-01	.1150-01	7.627	52.57	628.6
114	.95000	.40000	934.00	.2359	.1922	.2083	.1089-01	.8871-02	.9614-02	6.448	46.11	619.8
114	.95000	.70000	935.00	.3594	.2921	.3194	.1659-01	.1348-01	.1474-01	9.702	70.32	627.0
114	.95000	.80000	936.00	.3559	.2901	.3222	.1643-01	.1339-01	.1487-01	9.754	69.82	618.2
114	.95000	.90000	937.00	.2540	.2061	.2335	.1172-01	.9603-02	.1078-01	7.147	52.43	602.3

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AEDC VKF V41B-57A (OH-49B) COLLATION (DECK

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OH-49B (AEDC V41B-57A) OFB/TER LOWER WING

(RV1409)

LOWER WING

PARAMETRIC DATA

ALPHA = 50.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PC PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
25	8.000	3.739	50.14	.0000	180.0	862.0	.8800-01	134.7	97.60	3.956	3873.	.7587-04
26	8.000	3.735	50.14	.0000	180.0	860.7	.8800-01	134.7	97.60	3.950	3873.	.7579-04
27	8.000	3.729	50.18	.0000	180.0	861.6	.8800-01	134.9	97.80	3.954	3876.	.7573-04

RUN NUMBER	MU	HREF BTU/ R FT2	ST FR R =
25	.7851-07	.4915-01	0.0175
26	.7858-07	.4911-01	.2100-01
27	.7872-07	.4915-01	.2103-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTAOT DEG. R /SEC	TH DEG. R
27	.30300	.00000	845.00	.4640-01	.3850-01	.4340-01	.2282-01	.1891-02	.2134-02	1.489	16.44	561.8
27	.30000	.50000-01	846.00	.1431	.1166	.1234	.7032-02	.5732-02	.6065-02	4.180	41.84	620.0
27	.30000	.10000-00	847.00	.1326	.1084	.1151	.6518-02	.5329-02	.5658-02	3.943	32.71	609.4
27	.30000	.20000	848.00	.1505	.1233	.1316	.7398-02	.6058-02	.6478-02	4.515	31.49	604.1
27	.30000	.40000	850.00	.1718	.1397	.1508	.8444-02	.6866-02	.7410-02	4.958	34.19	627.3
27	.30000	.50000	851.00	.2788	.2254	.2455	.1370-01	.1108-01	.1207-01	7.811	55.21	644.4
27	.30000	.60000	852.00	.3614	.2917	.3177	.1776-01	.1434-01	.1562-01	10.03	70.68	650.0
27	.30000	.70000	853.00	.3747	.3017	.3294	.1842-01	.1483-01	.1619-01	10.28	69.89	656.4
27	.30000	.80000	854.00	.3729	.3004	.3297	.1833-01	.1476-01	.1620-01	10.24	71.96	655.9
27	.30000	.90000	855.00	.2195	.1795	.2001	.1080-01	.8197-02	.9837-02	6.524	46.12	610.1
27	.30000	.95000	856.00	.2037	.1658	.1876	.1001-01	.8197-02	.9837-02	6.104	42.56	604.7
27	.35000	.00000	857.00	.1322	.1087	.1232	.6496-02	.5344-02	.6057-02	4.064	34.05	588.8
27	.40000	.00000	858.00	.1703	.1387	.1582	.8368-02	.6818-02	.7773-02	4.964	48.38	621.2
27	.40000	.50000-01	859.00	.3536	.2860	.2987	.1738-01	.1406-01	.1468-01	9.913	67.81	644.1
27	.40000	.10000-00	860.00	.2669	.2405	.2559	.1459-01	.1182-01	.1258-01	8.391	57.53	639.5
27	.40000	.20000	861.00	.2538	.2058	.2225	.1247-01	.1012-01	.1094-01	7.218	51.22	635.8
27	.40000	.30000	862.00	.3039	.2505	.2727	.1523-01	.1231-01	.1340-01	8.661	59.20	645.8

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 25 AUG 76
AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) CRBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(19TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
27	40000	40000	863.00	.3370	.2719	.2963	.1656-01	.1337-01	.1457-01	9.340	68.09	650.5
27	40000	60000	864.00	.4065	.3287	.3571	.1958-01	.1616-01	.1755-01	11.38	73.13	644.7
27	40000	70000	865.00	.3957	.3196	.3460	.1945-01	.1571-01	.1710-01	11.02	70.70	647.7
27	40000	75000	866.00	.3518	.2848	.3110	.1729-01	.1400-01	.1529-01	9.922	70.25	640.6
27	40000	85000	867.00	.2904	.2364	.2616	.1427-01	.1162-01	.1286-01	8.423	61.13	624.3
27	40000	90000	868.00	.2613	.2128	.2396	.1284-01	.1046-01	.1178-01	7.600	62.63	622.8
27	40000	95000	869.00	.2584	.2104	.2387	.1270-01	.1034-01	.1173-01	7.521	58.61	622.2
27	50000	00000	871.00	.3630	.2937	.3363	.1784-01	.1443-01	.1653-01	10.20	80.16	642.8
27	50000	50000-01	872.00	.3648	.2941	.3087	.1793-01	.1446-01	.1517-01	10.07	73.32	652.9
27	50000	10000+00	873.00	.2391	.1946	.2082	.1175-01	.9566-02	.1023-01	6.935	55.02	631.0
27	50000	20000	874.00	.2787	.2263	.2451	.1370-01	.1113-01	.1205-01	7.992	60.76	637.2
27	50000	30000	875.00	.3121	.2529	.2746	.1534-01	.1243-01	.1350-01	8.853	68.02	644.1
27	50000	40000	876.00	.3547	.2869	.3120	.1744-01	.1410-01	.1534-01	9.943	71.57	648.0
27	50000	60000	877.00	.3886	.3138	.3419	.1910-01	.1543-01	.1681-01	10.82	58.47	622.7
27	50000	90000	878.00	.2674	.2177	.2369	.1314-01	.1070-01	.1164-01	7.777	89.43	693.6
27	55000	00000	879.00	.4395	.3483	.4034	.2155-01	.1712-01	.1983-01	11.23	97.69	691.9
27	60000	00000	880.00	.4404	.3500	.4052	.2165-01	.1720-01	.1992-01	11.31	108.7	695.1
27	60000	25000-01	881.00	.5968	.4737	.4900	.2933-01	.2328-01	.2408-01	15.23	89.41	681.6
27	60000	50000-01	882.00	.3879	.3095	.3263	.1907-01	.1521-01	.1604-01	10.16	80.27	669.7
27	60000	75000-01	883.00	.4293	.3441	.3680	.2110-01	.1691-01	.1809-01	11.50	69.19	646.8
27	60000	10000+00	884.00	.3630	.2933	.3156	.1784-01	.1442-01	.1551-01	10.13	58.41	632.3
27	60000	20000	885.00	.2967	.2409	.2614	.1458-01	.1184-01	.1285-01	8.490	63.18	640.8
27	60000	30000	886.00	.3482	.2819	.3062	.1711-01	.1385-01	.1505-01	9.816	67.33	645.2
27	60000	40000	887.00	.3633	.2937	.3189	.1786-01	.1444-01	.1567-01	10.17	71.32	635.9
27	60000	50000	888.00	.3773	.3056	.3275	.1855-01	.1502-01	.1634-01	10.67	57.25	619.1
27	60000	60000	889.00	.3770	.3057	.3255	.1853-01	.1503-01	.1635-01	10.72	60.73	616.3
27	60000	70000	890.00	.3625	.2941	.3218	.1782-01	.1446-01	.1582-01	10.33	71.01	634.6
27	60000	80000	891.00	.2735	.2230	.2465	.1344-01	.1036-01	.1212-01	8.002	59.31	612.9
27	60000	90000	892.00	.2932	.2392	.2656	.1441-01	.1176-01	.1306-01	8.618	50.85	604.2
27	60000	95000	893.00	.2749	.2245	.2529	.1351-01	.1103-01	.1243-01	8.127	59.06	600.4
27	60000	00000	894.00	.2313	.1894	.2142	.1137-01	.9311-02	.1053-01	6.938	47.21	580.4
27	65000	00000	895.00	.2493	.2027	.2314	.1225-01	.9952-02	.1137-01	7.186	64.14	620.2
27	70000	00000	896.00	.1228	.1007	.1143	.6034-02	.4947-02	.5613-02	3.705	65.47	639.9
27	70000	25000-01	897.00	.2457	.2002	.2060	.1208-01	.9841-02	.1012-01	7.176	59.87	632.7
27	70000	10000+00	898.00	.3491	.2827	.3035	.1716-01	.1390-01	.1492-01	9.859	57.26	628.0
27	70000	20000	899.00	.3535	.2870	.3175	.1738-01	.1410-01	.1525-01	10.11	66.92	635.5
27	70000	30000	900.00	.3346	.2721	.2944	.1645-01	.1337-01	.1452-01	9.646	62.16	632.2
27	70000	40000	901.00	.3564	.2894	.3144	.1752-01	.1422-01	.1545-01	10.20	66.92	635.5
27	70000	60000	902.00	.3665	.3135	.3410	.1900-01	.1541-01	.1633-01	11.00	57.54	614.0
27	70000	90000	903.00	.2809	.2294	.2594	.1381-01	.1127-01	.1267-01	8.290	46.11	589.6
27	75000	00000	904.00	.1931	.1588	.1800	.9489-02	.7804-02	.8846-02	5.929	65.97	631.2
27	75000	25000-01	905.00	.3020	.2453	.2821	.1484-01	.1205-01	.1239-01	8.657	74.68	639.4
27	75000	50000-01	906.00	.3729	.3020	.3190	.1833-01	.1485-01	.1568-01	10.54		

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L09)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
27	.75000	.10000+00	907.00	.3971	.3207	.3445	.1952-01	.1576-01	.1693-01	11.05	73.11	648.1
27	.75000	.20000	908.00	.3376	.2737	.2964	.1659-01	.1345-01	.1457-01	9.597	63.84	636.0
27	.75000	.30000	909.00	.3329	.2706	.2934	.1636-01	.1330-01	.1442-01	9.597	58.61	627.9
27	.75000	.40000	910.00	.3377	.2741	.2574	.1660-01	.1330-01	.1462-01	9.654	60.54	632.8
27	.75000	.60000	911.00	.3604	.2529	.3183	.1771-01	.1440-01	.1565-01	10.38	67.23	628.2
27	.75000	.80000	912.00	.3164	.2572	.287	.1555-01	.1261-01	.1399-01	9.118	72.17	628.1
27	.75000	.90000	913.00	.2932	.2398	.2692	.1441-01	.1179-01	.1323-01	8.730	61.75	608.7
27	.75000	.95000	914.00	.2246	.1838	.2077	.1104-01	.9035-02	.1021-01	6.711	49.12	606.6
27	.80000	.00000	915.00	.2376	.1934	.2206	.1168-01	.9508-02	.1085-01	6.903	61.61	623.3
27	.80000	.20000	916.00	.3590	.2907	.3151	.1765-01	.1429-01	.1549-01	10.14	67.34	639.1
27	.80000	.40000	917.00	.3424	.2774	.3009	.1683-01	.1363-01	.1479-01	9.684	66.40	639.1
27	.80000	.60000	918.00	.3078	.2510	.2821	.1513-01	.1234-01	.1363-01	9.029	63.59	617.6
27	.85000	.00000	919.00	.2561	.2093	.2382	.1259-01	.1029-01	.1171-01	7.605	58.55	610.2
27	.85000	.20000	920.00	.3694	.2987	.3233	.1816-01	.1468-01	.1589-01	10.34	70.74	644.7
27	.85000	.40000	921.00	.3707	.2994	.3248	.1822-01	.1471-01	.1596-01	10.32	72.85	647.8
27	.90000	.00000	922.00	.1369	.1129	.1278	.6728-02	.5549-02	.6279-02	4.272	33.39	519.5
27	.90000	.20000	923.00	.3006	.2448	.2630	.1477-01	.1203-01	.1293-01	8.750	62.51	622.1
27	.90000	.40000	924.00	.3654	.2953	.3191	.1796-01	.1452-01	.1543-01	10.22	69.88	645.3
27	.90000	.60000	925.00	.3892	.3144	.3407	.1913-01	.1545-01	.1675-01	10.85	74.11	647.2
27	.90000	.80000	926.00	.3744	.3026	.3285	.1840-01	.1487-01	.1615-01	10.46	71.53	645.7
27	.90000	.90000	927.00	.3671	.2978	.3294	.1804-01	.1464-01	.1619-01	10.47	78.29	634.1
27	.90000	.00000	928.00	.2954	.2407	.2712	.1452-01	.1183-01	.1333-01	8.618	66.00	620.9
27	.95000	.00000	929.00	.8960-01	.7440-01	.8380-01	.4404-02	.3655-02	.4120-02	2.901	21.41	555.8
27	.95000	.50000-01	930.00	.1758	.1449	.1526	.8643-02	.7122-02	.7503-02	5.462	38.51	582.4
27	.95000	.10000+00	931.00	.2247	.1839	.1964	.1104-01	.9041-02	.9654-02	6.730	48.49	604.9
27	.95000	.20000	932.00	.3086	.2510	.2711	.1517-01	.1234-01	.1332-01	8.911	59.55	626.9
27	.95000	.30000	933.00	.3509	.2841	.3079	.1725-01	.1396-01	.1514-01	9.893	67.78	640.8
27	.95000	.40000	934.00	.2911	.2364	.2565	.1431-01	.1162-01	.1261-01	8.354	59.44	630.5
27	.95000	.50000	935.00	.3704	.3004	.3288	.1821-01	.1476-01	.1616-01	10.54	76.06	635.7
27	.95000	.60000	936.00	.3562	.2898	.3221	.1751-01	.1424-01	.1583-01	10.31	73.56	625.3
27	.95000	.70000	937.00	.2556	.2091	.2348	.1256-01	.1028-01	.1154-01	7.623	55.77	607.6

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 23.00 BEYA = .0000 ELEVTR = .0000 SPDBRK = .0000
BDFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	CO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
193	7.900	.5087	20.04	.0000	180.0	103.5	.1200-01	1268.	94.00	.5020	3754.	.1026-04
194	7.900	.5308	20.04	.0000	180.0	109.1	.1200-01	1269.	94.10	.5250	3755.	.1071-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
193	.7571-07	.1733-01	0.0175
194	.7576-07	.1772-01	.5556-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1GTO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
194	.30000	.00000	845.00	.3860-01	.3190-01	.3260-01	.6845-03	.5660-03	.5782-03	.4150	4.640	535.8
194	.30000	.50003-01	846.00	.1052	.8680-01	.1034	.1864-02	.1537-02	.1832-02	1.112	12.38	545.0
194	.30000	.10000+00	847.00	.9760-01	.8050-01	.9640-01	.1728-02	.1427-02	.1708-02	1.038	8.909	541.1
194	.30000	.20000	848.00	.8280-01	.6840-01	.8250-01	.1466-02	.1211-02	.1462-02	.8830	6.361	539.5
194	.30000	.40000	850.00	.5390-01	.4450-01	.4400-01	.9542-03	.7882-03	.9591-03	.5750	4.142	539.2
194	.30000	.50000	851.00	.4090-01	.3380-01	.4140-01	.7250-03	.5990-03	.7340-03	.4370	3.253	539.1
194	.30000	.60000	852.00	.3710-01	.3060-01	.3750-01	.6568-03	.5428-03	.6647-03	.3970	2.956	537.7
194	.30000	.70000	853.00	.3370-01	.2780-01	.3400-01	.5964-03	.4930-03	.6044-03	.3610	2.603	536.7
194	.30000	.80000	854.00	.3050-01	.2520-01	.3100-01	.5400-03	.4465-03	.5499-03	.3280	2.444	535.1
194	.30000	.90000	855.00	.1650-01	.1370-01	.1700-01	.2920-03	.2419-03	.3031-03	.1750	1.318	528.6
194	.30000	.95000	856.00	.1340-01	.1110-01	.1400-01	.2379-03	.1973-03	.2489-03	.1460	1.062	526.5
194	.35000	.00000	857.00	.1051	.8680-01	.8870-01	.1863-02	.1538-02	.1571-02	1.119	9.600	541.2
194	.40000	.00000	858.00	.1985	.1630	.1656	.3516-02	.2887-02	.2952-02	2.049	20.59	559.0
194	.40000	.50000-01	859.00	.3472	.2854	.3343	.6151-02	.5056-02	.5922-02	3.604	25.75	555.8
194	.40000	.10000+00	860.00	.1933	.1593	.1909	.3425-02	.2822-02	.3382-02	2.034	14.58	548.1
194	.40000	.20000	861.00	.9520-01	.7860-01	.9580-01	.1687-02	.1392-02	.1697-02	1.011	7.516	542.3
194	.40000	.30000	862.00	.7280-01	.6020-01	.7370-01	.1290-02	.1066-02	.1306-02	.7760	5.587	540.5
194	.40000	.40000	863.00	.5660-01	.4640-01	.5930-01	.1038-02	.8572-03	.1050-02	.6260	4.818	538.9
194	.40000	.50000	864.00	.5660-01	.4840-01	.5920-01	.1038-02	.8583-03	.1048-02	.6290	4.260	536.3

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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(RV1110)

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAN)	H(ISTO) BTU/ R FT2SEC	H(UTO) BTU/ R FT2SEC	H(UTAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTADT DEG. R /SEC	TH DEG. R
194	40000	70000	865.00	6000-01	4960-01	6070-01	1063-02	8789-03	1076-02	544C	4.363	536.2
194	40000	75000	866.00	5060-01	4190-01	5140-01	8969-03	7418-03	9109-03	544C	4.061	534.9
194	40000	85000	867.00	3760-01	3110-01	3870-01	6655-03	5510-03	6854-03	5400	3.089	531.1
194	40000	90000	868.00	3070-01	2540-01	3200-01	5430-03	4499-03	5671-03	3330	2.872	529.2
194	40000	95000	869.00	2340-01	1940-01	2460-01	4148-03	4358-03	4356-03	2550	2.081	527.5
194	50000	00000	871.00	5653	4639	4747	1009-01	8218-02	8409-02	5.631	45.55	583.5
194	50000	50000-01	872.00	3025	2489	2930	5359-02	4409-02	5191-02	3.156	24.14	582.9
194	50000	10000-00	873.00	1649	1360	1641	2921-02	2409-02	2908-02	1.745	12.95	544.5
194	50000	20000	874.00	1183	9770-01	1193	2096-02	1731-02	2113-02	1.260	9.075	544.4
194	50000	30000	875.00	1023	8450-01	1033	1812-02	1496-02	1831-02	1.089	7.843	540.5
194	50000	40000	876.00	8930-01	7290-01	9030-01	1582-02	1307-02	1600-02	9530	6.864	539.5
194	50000	50000	877.00	6990-01	5780-01	7080-01	1279-02	1024-02	1254-02	7490	5.231	537.3
194	50000	60000	878.00	3100-01	2570-01	3140-01	5495-03	4553-03	5571-03	3370	2.656	528.3
194	55000	00000	879.00	5706	4619	4729	1011-01	8182-02	8378-02	5.449	45.35	602.7
194	60000	07000	880.00	4194	3413	3493	7430-02	6046-02	6188-02	4.118	37.41	587.5
194	60000	25000-01	881.00	4688	3838	4423	9305-02	6798-02	7835-02	4.756	36.07	569.2
194	60000	50000-01	882.00	2544	2091	2471	4507-02	3704-02	4378-02	2.636	25.36	557.0
194	60000	75000-01	883.00	2464	2029	2440	4365-02	3594-02	4322-02	2.581	19.11	550.5
194	60000	10000-00	884.00	1769	1460	1769	3135-02	2586-02	3134-02	1.873	13.46	544.1
194	60000	20000	885.00	6470-01	7010-01	8570-01	1503-02	1242-02	1518-02	9100	6.564	536.4
194	60000	30000	886.00	6570-01	5520-01	6740-01	1182-02	9775-03	1194-02	7170	4.858	535.6
194	60000	40000	887.00	6080-01	5030-01	6140-01	1078-02	8911-03	1088-02	6530	4.562	535.3
194	60000	50000	888.00	6140-01	5080-01	6200-01	1088-02	8998-03	1101-02	6670	4.614	535.3
194	60000	60000	889.00	5860-01	4870-01	5960-01	1042-02	8623-03	1055-02	6330	4.429	534.5
194	60000	80000	891.00	3660-01	3030-01	3770-01	6484-03	5370-03	6678-03	3970	2.966	530.1
194	60000	892.00	892.00	3820-01	3170-01	3950-01	6772-03	5611-03	7002-03	4150	3.056	528.7
194	60000	90000	893.00	3150-01	2610-01	3300-01	5588-03	4633-03	5844-03	3440	2.620	525.1
194	60000	95000	894.00	2270-01	1880-01	2390-01	4026-03	3339-03	4226-03	2480	1.893	525.1
194	65000	00000	895.00	3499	2857	2923	6199-02	5062-02	5178-02	3.498	29.48	577.5
194	70000	00000	896.00	1886	1545	1580	3341-02	2737-02	2799-02	1.922	22.46	566.6
194	70000	25000-01	897.00	2320	1293	2185	4109-02	3383-02	3871-02	2.428	22.46	551.0
194	70000	10000-00	898.00	1554	1293	1551	2753-02	2273-02	2747-02	1.654	11.53	541.0
194	70000	20000	899.00	1098	9080-01	1106	1945-02	1608-02	1913-02	1.177	7.311	536.7
194	70000	30000	900.00	8210-01	6800-01	8300-01	1455-02	1204-02	1472-02	8840	5.502	535.6
194	70000	40000	901.00	9640-01	7970-01	9750-01	1707-02	1412-02	1727-02	1.035	6.616	533.9
194	70000	50000	902.00	9940-01	8220-01	1006	1760-02	1455-02	1762-02	1.067	6.818	535.8
194	70000	60000	903.00	3430-01	2850-01	3500-01	6080-03	5041-03	6348-03	3740	2.714	526.1
194	75000	00000	904.00	1325	1096	1119	2346-02	1941-02	1983-02	1.425	11.39	534.5
194	75000	25000-01	905.00	3804	3116	3569	5739-02	5520-02	6313-02	3.872	30.45	567.2
194	75000	50000-01	906.00	2915	2402	2852	5165-02	4256-02	5053-02	3.068	22.74	547.7
194	75000	10000-00	907.00	1973	1628	1969	3496-02	2881-02	3488-02	2.091	14.57	543.5
194	75000	20000	908.00	1088	9000-01	1096	1927-02	1594-02	1942-02	1.169	8.175	535.2
194	75000	30000	909.00	7960-01	6500-01	7930-01	1392-02	1152-02	1405-02	8470	5.425	532.9

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

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(RVIL10)

PLUM NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19TO BTU/ R F12SEC	H1TO BTU/ R F12SEC	H1TAM BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMOT DEG. R /SEC	TW DEG. R
194	75000	.40000	910.00	.6680-01	.5530-01	.6750-01	.1184-02	.9800-03	.1196-02	.7210	4.751	532.9
194	75000	.60000	911.00	.5990-01	.4960-01	.6060-01	.1060-02	.8779-03	.1073-02	.6470	4.399	531.2
194	75000	.80000	912.00	.5600-01	.4640-01	.5770-01	.9924-03	.8720-03	.1022-02	.6070	5.047	529.8
194	75000	.90000	913.00	.4570-01	.3790-01	.4770-01	.8094-03	.6711-03	.8449-03	.4980	3.673	526.2
194	75000	.95000	914.00	.3190-01	.2640-01	.3340-01	.5647-03	.4684-03	.5922-03	.3480	2.656	525.0
194	80000	.00000	915.00	.3480	.2845	.25.1	.6165-02	.5041-02	.5156-02	.3207	32.07	573.1
194	80000	.1283	916.00	.1283	.1051	.1293	.2272-02	.1879-02	.2291-02	9.636	535.4	535.4
194	80000	.8260-01	917.00	.8260-01	.6830-01	.8330-01	.1463-02	.1210-02	.1476-02	6.419	534.1	534.1
194	80000	.2940-01	918.00	.2940-01	.2430-01	.3040-01	.5200-03	.4313-03	.5424-03	3.210	2.367	524.7
194	85000	.4183	919.00	.4183	.3420	.3493	.7411-02	.6059-02	.6198-02	4.216	33.06	572.9
194	85000	.1438	920.00	.1438	.1189	.1447	.2548-02	.2106-02	.2563-02	11.11	11.11	537.2
194	85000	.9750-01	921.00	.9750-01	.8060-01	.9830-01	.1726-02	.1428-02	.1711-02	7.815	535.0	535.0
194	90000	.2549	922.00	.2549	.2096	.2143	.4516-02	.3713-02	.3796-02	20.95	555.3	555.3
194	90000	.1991	923.00	.1991	.1644	.1933	.3528-02	.2912-02	.3531-02	2.118	15.75	541.5
194	90000	.1429	924.00	.1429	.1181	.1435	.2532-02	.2093-02	.2543-02	11.02	538.0	538.0
194	90000	.1249	925.00	.1249	.1032	.1217	.2212-02	.1829-02	.2228-02	9.665	536.2	536.2
194	90000	.9620-01	926.00	.9620-01	.7960-01	.9710-01	.1705-02	.1410-02	.1721-02	1.036	7.482	534.1
194	90000	.6090-01	927.00	.6090-01	.5050-01	.6260-01	.1080-02	.8947-03	.1113-02	5.222	528.1	528.1
194	90000	.4730-01	928.00	.4730-01	.3920-01	.4940-01	.8375-03	.6944-03	.8752-03	4.140	526.1	526.1
194	95000	.1582	929.00	.1582	.1366	.1335	.2802-02	.2314-02	.2365-02	12.53	540.8	540.8
194	95000	.1923	930.00	.1923	.1566	.1883	.3406-02	.2810-02	.3340-02	14.66	543.2	543.2
194	95000	.1683	931.00	.1683	.1390	.1675	.2981-02	.2462-02	.2968-02	13.34	540.2	540.2
194	95000	.1556	932.00	.1556	.1285	.1566	.2757-02	.2279-02	.2774-02	11.64	537.5	537.5
194	95000	.1316	933.00	.1316	.1089	.1327	.2332-02	.1928-02	.2351-02	10.20	535.7	535.7
194	95000	.8730-01	934.00	.8730-01	.7230-01	.8820-01	.1547-02	.1280-02	.1563-02	7.037	532.7	532.7
194	95000	.6500-01	935.00	.6500-01	.5390-01	.6620-01	.1152-02	.9541-03	.1173-02	7.060	528.8	528.8
194	95000	.5330-01	936.00	.5330-01	.4250-01	.5540-01	.1121-02	.9296-03	.1159-02	5.163	527.1	527.1
194	95000	.4240-01	937.00	.4240-01	.3520-01	.4430-01	.7515-03	.6233-03	.7847-03	3.533	525.2	525.2

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL10)

PARAMETRIC DATA

ALPHA = 23.00 BETA = .0000 ELEVTR = .0000 SPDRBK = .0000
 BOFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
199	7.940	20.00	.0000	180.0	209.0	.2200-01	1283.	94.30	.9920	3778.	.1989-04
200	7.940	20.00	.0000	180.0	211.3	.2300-01	1280.	94.00	1.003	3773.	.2027-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R FT2SEC	ST FR R =
199	.7593-07	.4071-01		0.0175
200	.7571-07	.4042-01		

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF ($\frac{H}{H_1}$)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTHOT DEG. R /SEC	TW DEG. R
200	.30000	.00000	845.00	.3740-01	.3090-01	.311-01	.9161-03	.7589-03	.7751-03	.5660	6.334	534.1
200	.30000	.50000-01	846.00	.1045	.8630-01	.1027	.2553-02	.2116-02	.2520-02	1.552	17.27	546.2
200	.30000	.10000+00	847.00	.9030-01	.7460-01	.8920-01	.2214-02	.1830-02	.2168-02	1.351	11.59	541.6
200	.30000	.20000	848.00	.8150-01	.6740-01	.8130-01	.1999-02	.1654-02	.1994-02	1.227	8.845	537.9
200	.30000	.40000	850.00	.5000-01	.4130-01	.5020-01	.1225-02	.1014-02	.1231-02	.7530	5.430	537.1
200	.30000	.50000	851.00	.3560-01	.3280-01	.4000-01	.9712-03	.8040-03	.9832-03	.5980	4.455	536.4
200	.30000	.60000	852.00	.3570-01	.2960-01	.3610-01	.8753-03	.7248-03	.8858-03	.5400	4.026	535.2
200	.30000	.70000	853.00	.3150-01	.2610-01	.3190-01	.7724-03	.6397-03	.7828-03	.4760	3.440	534.9
200	.30000	.80000	854.00	.3050-01	.2560-01	.3140-01	.7563-03	.6269-03	.7707-03	.4670	3.488	534.2
200	.30000	.90000	855.00	.1720-01	.1430-01	.1790-01	.4221-03	.3500-03	.4382-03	.2620	1.928	530.7
200	.30000	.95000	856.00	.1530-01	.1270-01	.1600-01	.3113-03	.2572-02	.3322-03	.2340	1.693	529.5
200	.35000	.00000	857.00	.1269	.1049	.1072	.3113-02	.2572-02	.2628-02	1.895	16.24	543.2
200	.40000	.00000	858.00	.1564	.1628	.1654	.4867-02	.3992-02	.4062-02	2.844	28.46	567.3
200	.40000	.50000-01	859.00	.3444	.2828	.3315	.8446-02	.6937-02	.8131-02	4.968	35.35	563.5
200	.40000	.10000+00	860.00	.1936	.1596	.1912	.4747-02	.3915-02	.4668-02	2.857	20.47	549.9
200	.40000	.20000	861.00	.9270-01	.7660-01	.9330-01	.2274-02	.1879-02	.2283-02	1.386	10.30	542.2
200	.40000	.30000	862.00	.6930-01	.5760-01	.7070-01	.1714-02	.1417-02	.1734-02	1.348	7.548	540.1
200	.40000	.40000	863.00	.5490-01	.4510-01	.5560-01	.1346-02	.1114-02	.1363-02	.8260	6.366	537.9
200	.40000	.50000	864.00	.5160-01	.4290-01	.5230-01	.1269-02	.1051-02	.1262-02	.7830	5.312	534.8

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(RVIL10)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19T0) BTU/ R FT2SEC	H1T0) BTU/ R FT2SEC	H1TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TM DEG. R
200	40000	70000	865.00	5430-01	4540-01	5550-01	1346-02	1114-02	1362-02	0290	5.623	535.5
200	40000	75000	866.00	4580-01	3790-01	4650-01	1123-02	9300-03	1140-02	0290	5.170	534.6
200	40000	80000	867.00	3470-01	2880-01	3560-01	8319-03	7061-03	8774-33	0290	4.010	532.2
200	40000	85000	868.00	2760-01	2290-01	2880-01	6774-03	5614-03	7074-03	0290	3.619	532.0
200	40000	90000	869.00	2130-01	1760-01	2330-01	5220-03	4327-03	5481-03	0290	2.641	531.1
200	50000	00000	871.00	5512	4470	4575	1352-01	1096-01	1122-01	0290	59.42	603.1
200	50000	50000-01	872.00	3012	2476	2917	7386-02	6072-02	7154-02	0290	33.28	560.3
200	50000	10000+00	873.00	1658	1369	1651	4067-02	3357-02	4050-02	0290	18.26	546.4
200	50000	20000	874.00	1208	9380-01	1218	2962-02	2448-02	2987-02	0290	12.96	543.1
200	50000	30000	875.00	1044	8630-01	1055	2561-02	2116-02	2587-02	0290	11.23	542.2
200	50000	40000	876.00	9350-01	7730-01	9450-01	2292-02	1895-02	2318-02	0290	10.09	540.1
200	50000	50000	877.00	7180-01	5940-01	7260-01	1760-02	1456-02	1782-02	0290	7.542	538.0
200	50000	60000	878.00	3080-01	2550-01	3120-01	7547-03	6256-03	7653-03	0290	3.679	532.0
200	55300	00000	879.00	5418	4367	4473	1329-01	1071-01	1097-01	0290	58.30	620.0
200	60000	00000	880.00	4206	3402	3464	1031-01	8344-02	8544-02	0290	50.22	609.8
200	60000	25000-01	881.00	1122	3852	4451	1158-01	9448-02	1092-01	0290	49.35	585.1
200	60000	50000-01	882.00	2585	2120	2510	6339-02	5199-02	6157-02	0290	35.41	568.1
200	60000	75000-01	883.00	2550	2096	2525	6253-02	5142-02	6152-02	0290	27.27	559.9
200	60000	10000+00	884.00	1934	1570	1904	4670-02	3651-02	4670-02	0290	20.15	549.5
200	60000	20000	885.00	9830-01	8130-01	9930-01	2410-02	1934-02	2435-02	0290	17.63	539.4
200	60000	30000	886.00	7030-01	5820-01	7110-01	1725-02	1427-02	1743-02	0290	7.173	537.7
200	60000	40000	887.00	5750-01	4760-01	5810-01	1411-02	1169-02	1424-02	0290	6.056	537.3
200	60000	50000	888.00	5780-01	4760-01	5810-01	1417-02	1173-02	1434-02	0290	6.098	536.1
200	60000	60000	889.00	5610-01	4650-01	5660-01	1376-02	1139-02	1393-02	0290	5.928	535.5
200	60000	80000	891.00	3340-01	2770-01	3440-01	8199-03	7291-03	8445-03	0290	3.795	532.2
200	60000	85000	892.00	3550-01	2770-01	3710-01	8794-03	6799-03	9093-03	0290	4.013	531.1
200	60000	90000	893.00	2930-01	2410-01	3040-01	7123-03	5906-03	7450-03	0290	4.430	530.3
200	65000	00000	894.00	2020-01	1680-01	2160-01	4961-03	4115-02	5208-03	0290	2.350	529.1
200	65000	00000	895.00	3475	2826	2892	8523-02	6931-02	7093-02	0290	39.67	594.7
200	70000	00000	896.00	1823	1189	1523	5497-02	3653-02	3736-02	0290	32.91	579.9
200	70000	25000-01	897.00	2241	1843	2111	5497-02	3653-02	3736-02	0290	29.98	559.6
200	70000	50000+00	898.00	1557	1286	1554	3818-02	3154-02	3811-02	0290	16.15	544.1
200	70000	75000	899.00	1082	8950-01	1050	2654-02	2195-02	2674-02	0290	10.13	538.9
200	70000	80000	900.00	8180-01	6770-01	8260-01	2005-02	1651-02	2030-02	0290	7.61	536.8
200	70000	85000	901.00	6170-01	6770-01	8270-01	2005-02	1651-02	2030-02	0290	7.61	535.7
200	70000	90000	902.00	1080	8930-01	1093	2348-02	1900-02	2681-02	0290	10.13	538.8
200	70000	00000	903.00	3310-01	2750-01	3460-01	8123-03	6736-03	8483-03	0290	3.67	530.5
200	75000	00000	904.00	1101	9110-01	9310-01	2701-02	2234-02	2681-02	0290	13.19	539.3
200	75000	25000-01	905.00	3789	3093	3551	2701-02	2234-02	2681-02	0290	41.21	583.3
200	75000	50000-01	906.00	2560	2354	2758	9433-02	7425-02	8740-02	0290	30.84	556.1
200	75000	75000	907.00	1964	1620	1959	7050-02	5774-02	6863-02	0290	20.19	549.2
200	75000	00000	908.00	5540-01	7690-01	9620-01	4816-02	3973-02	4806-02	0290	10.01	539.1
200	75000	20000	909.00	7790-01	6450-01	7870-01	1911-02	1583-02	1930-02	0290	7.531	535.4

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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(RVIL10)

OH-49B (AEDC V41B-57A) OPBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(GTO) BTU/ R FT2SEC	H(CTO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
200	.75000	.40000	910.00	.7050-01	.5840-01	.7120-01	.1728-03	.1431-02	.1746-02	1.065	7.005	535.8
200	.75000	.60000	911.00	.6820-01	.5650-01	.6300-01	.1673-02	.1386-02	.1693-02	1.033	7.008	534.2
200	.75000	.80000	912.00	.5240-01	.4340-01	.5400-01	.1286-02	.1055-02	.1324-02	.7940	6.588	533.9
200	.75000	.90000	913.00	.4280-01	.3550-01	.4470-01	.1049-02	.8700-03	.1095-02	.6520	4.791	530.8
200	.75000	.95000	914.00	.3000-01	.2420-01	.3140-01	.7353-03	.6098-03	.7712-03	.4570	3.476	530.1
200	.80000	.00000	915.00	.3498	.2847	.2913	.8579-02	.6982-02	.7145-02	4.800	43.49	592.3
200	.80000	.20000	916.00	.1266	.1047	.1276	.3104-02	.2567-02	.3130-02	1.838	13.24	540.3
200	.80000	.40000	917.00	.8430-01	.6380-01	.8510-01	.2069-02	.1712-02	.2088-02	1.272	9.176	536.8
200	.80000	.60000	918.00	.4540-01	.3760-01	.4730-01	.1113-02	.9225-03	.1161-02	.6900	5.073	531.6
200	.85000	.00000	919.00	.4114	.3348	.3426	.1009-01	.9211-02	.8403-02	5.844	43.83	592.4
200	.85000	.20000	920.00	.1288	.1034	.1296	.3158-02	.2610-02	.3178-02	1.927	13.87	541.5
200	.85000	.40000	921.00	.9550-01	.7900-01	.9630-01	.2342-02	.1938-02	.2362-02	1.436	10.69	538.5
200	.90000	.00000	922.00	.2510	.2059	.2105	.6155-02	.5050-02	.6163-02	3.598	28.29	567.2
200	.90000	.10000+00	923.00	.1978	.1634	.1981	.4852-02	.4007-02	.4857-02	2.942	21.83	545.4
200	.90000	.20000	924.00	.1373	.1134	.1379	.3367-02	.2781-02	.3381-02	2.047	14.71	543.7
200	.90000	.30000	925.00	.1215	.1005	.1224	.2979-02	.2464-02	.3001-02	1.823	13.13	539.8
200	.90000	.50000	926.00	.9470-01	.7830-01	.9560-01	.2322-02	.1921-02	.2343-02	1.425	10.27	538.2
200	.90000	.80000	927.00	.5320-01	.4400-01	.5470-01	.1304-02	.1080-02	.1340-02	.8040	6.318	534.7
200	.90000	.90000	928.00	.4530-01	.3800-01	.4790-01	.1123-02	.9310-03	.1174-02	.6960	5.568	532.5
200	.95000	.00000	929.00	.1558	.1286	.1314	.3820-02	.3154-02	.3223-02	2.315	17.18	545.7
200	.95000	.50000-01	930.00	.1839	.1516	.1803	.4509-02	.3719-02	.4422-02	2.716	19.46	549.5
200	.95000	.10000+00	931.00	.1692	.1403	.1692	.4167-02	.3440-02	.4149-02	2.525	18.73	545.7
200	.95000	.20000	932.00	.1480	.1222	.1480	.3629-02	.2998-02	.3652-02	2.203	15.36	544.0
200	.95000	.30000	933.00	.1278	.1055	.1288	.3133-02	.2590-02	.3160-02	1.911	13.75	541.9
200	.95000	.50000	934.00	.8680-01	.7180-01	.8770-01	.2128-02	.1761-02	.2150-02	1.307	9.739	537.5
200	.95000	.70000	935.00	.6400-01	.5300-01	.6520-01	.1569-02	.1299-02	.1598-02	.9670	7.330	535.8
200	.95000	.80000	936.00	.6230-01	.5150-01	.6440-01	.1528-02	.1266-02	.1580-02	.9440	7.047	534.0
200	.95000	.90000	937.00	.4120-01	.3410-01	.4300-01	.1009-02	.8368-03	.1054-02	.6260	4.759	531.4

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
209	8.000	3.737	19.97	.0000	190.0	859.6	.8800-01	1345.	97.50	3.944	3870.	.7577-04
210	8.000	3.762	19.96	.0000	180.0	861.5	.8800-01	1341.	97.20	3.953	3865.	.7617-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
209	.7849-07	.4907-01	0.0175
210	.7825-07	.4910-01	.2095-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
210	.30000	.00000	845.00	.3820-01	.3170-01	.3240-01	.1878-02	.1557-02	.1590-02	1.224	13.55	555.6
210	.30000	.50000-01	846.00	.1024	.8420-01	.1036	.5026-02	.4134-02	.4940-02	3.124	34.09	585.6
210	.30000	.10000+00	847.00	.8790-01	.7250-01	.8690-01	.4314-02	.3561-02	.4265-02	2.734	23.08	573.6
210	.30000	.20000	848.00	.8140-01	.6740-01	.8120-01	.3997-02	.3307-02	.3988-02	2.567	18.25	565.1
210	.30000	.40000	850.00	.4120-01	.3410-01	.4140-01	.2022-02	.1672-02	.2032-02	1.298	9.230	565.1
210	.30000	.50000	851.00	.4150-01	.3430-01	.4200-01	.2038-02	.1685-02	.2064-02	1.306	9.589	566.5
210	.30000	.60000	852.00	.5160-01	.4270-01	.5220-01	.2534-02	.2094-02	.2565-02	1.620	11.88	568.0
210	.30000	.70000	853.00	.5650-01	.4680-01	.5730-01	.2778-02	.2295-02	.2816-02	1.773	12.59	568.8
210	.30000	.80000	854.00	.7050-01	.5820-01	.7150-01	.3461-02	.2859-02	.3535-02	2.205	16.16	570.0
210	.30000	.90000	855.00	.4260-01	.3540-01	.4430-01	.2093-02	.1737-02	.2173-02	1.367	9.936	554.1
210	.30000	.00000	856.00	.3120-01	.2590-01	.3260-01	.1530-02	.1271-02	.1600-02	1.008	7.223	548.8
210	.35000	.00000	857.00	.9720-01	.8030-01	.8200-01	.4772-02	.3941-02	.4026-02	3.034	25.65	571.3
210	.40000	.00000	859.00	.2071	.1685	.1724	.1017-01	.8273-02	.8465-02	5.959	58.09	621.0
210	.40000	.50000-01	859.00	.3411	.2773	.3277	.1675-01	.1361-01	.1609-01	9.762	67.42	624.2
210	.40000	.10000+00	860.00	.1891	.1551	.1667	.9282-02	.7614-02	.9165-02	5.681	39.80	595.1
210	.40000	.20000	861.00	.6890-01	.7330-01	.8950-01	.4364-02	.3599-02	.4732-02	2.755	20.13	575.8
210	.40000	.30000	862.00	.6330-01	.5220-01	.6110-01	.3106-02	.2564-02	.3145-02	1.971	13.96	572.7
210	.40000	.40000	863.00	.4800-01	.3950-01	.4650-01	.2355-02	.1945-02	.2385-02	1.500	11.37	570.4
210	.40000	.50000	864.00	.4020-01	.3320-01	.4060-01	.1974-02	.1632-02	.1994-02	1.266	8.452	565.8

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(RV1L10)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (1AU)	H(970) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(1AW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMDT DEG. R /SEC	TM	
												DEG. R	SEC
210	.40000	.70000	865.00	.4920-01	.4070-01	.4980-01	.2414-02	.1996-02	.2444-02	1.546	10.32	566.9	
210	.40000	.75000	866.00	.4280-01	.3540-01	.4350-01	.2101-02	.1738-02	.2134-02	1.349	9.915	564.9	
210	.40000	.85000	867.00	.3250-01	.2700-01	.3350-01	.1596-02	.1323-02	.1645-02	1.037	7.782	557.4	
210	.40000	.90000	868.00	.2480-01	.2060-01	.2590-01	.1216-02	.1009-02	.1270-02	.7950	6.780	553.5	
210	.40000	.95000	869.00	.2140-01	.1780-01	.2250-01	.1052-02	.8738-03	.1104-02	.6910	5.584	550.0	
210	.50000	.00000	871.00	.5251	.4136	.4246	.2578-01	.2071-01	.2085-01	12.83	97.69	709.5	
210	.50000-01	.50000-01	872.00	.3096	.2516	.2993	.1520-01	.1235-01	.1469-01	8.844	65.26	625.3	
210	.10000+00	.10000+00	873.00	.1718	.1410	.171	.8435-01	.6922-02	.8399-02	5.179	37.53	593.1	
210	.50000	.20000	874.00	.1551	.1276	.1565	.7614-02	.6263-02	.7681-02	4.731	33.30	585.8	
210	.50000	.30000	875.00	.1368	.1126	.1393	.6719-02	.5530-02	.6792-02	4.193	29.55	583.1	
210	.50000	.40000	876.00	.1175	.9680-01	.1189	.5769-02	.4754-02	.5837-02	3.626	25.61	578.6	
210	.50000	.50000	877.00	.1177	.9700-01	.1192	.5777-02	.4761-02	.5832-02	3.629	24.83	579.0	
210	.50000	.60000	878.00	.5450-01	.4520-01	.5530-01	.2678-02	.2219-02	.2715-02	1.738	13.49	558.2	
210	.55000	.00000	879.00	.4672	.3564	.3763	.2294-01	.1799-01	.1848-01	11.19	88.07	719.4	
210	.60000	.00000	880.00	.4041	.3173	.3258	.1984-01	.1558-01	.1600-01	9.725	83.02	717.0	
210	.25000-01	.25000-01	881.00	.4690	.3745	.4732	.2302-01	.1839-01	.2156-01	12.25	88.28	675.0	
210	.50000-01	.50000-01	882.00	.2663	.2154	.2581	.1308-01	.1057-01	.1267-01	7.412	68.46	640.4	
210	.75000-01	.75000-01	883.00	.2692	.2190	.2665	.1322-01	.1075-01	.1238-01	7.735	55.27	621.9	
210	.30000	.8000	884.00	.2203	.1803	.2204	.1082-01	.8850-02	.1082-01	6.528	45.54	603.7	
210	.60000	.20000	885.00	.1748	.1435	.1767	.8582-02	.7046-02	.8676-02	5.283	37.08	591.6	
210	.60000	.30000	886.00	.1597	.1314	.1614	.7838-02	.6449-02	.7924-02	4.882	32.30	584.3	
210	.60000	.40000	887.00	.3137	.2557	.3170	.1540-01	.1256-01	.1556-01	9.110	61.20	615.8	
210	.60000	.50000	888.00	.3124	.2551	.3165	.1534-01	.1253-01	.1554-01	9.169	61.79	609.3	
210	.60000	.60000	889.00	.2750	.2251	.2787	.1350-01	.1105-01	.1358-01	8.172	55.27	602.0	
210	.80000	.80000	891.00	.1406	.1159	.1450	.6903-02	.5690-02	.7117-02	4.343	31.71	578.0	
210	.60000	.85000	892.00	.1285	.1061	.1330	.6309-02	.5211-02	.6330-02	4.017	28.96	570.5	
210	.60000	.95000	893.00	.9490-01	.7850-01	.9330-01	.4658-02	.3856-02	.4875-02	3.003	22.47	562.5	
210	.60000	.00000	894.00	.6790-01	.5630-01	.7130-01	.3334-02	.2763-02	.3501-02	2.167	16.25	557.3	
210	.65000	.00000	895.00	.3071	.2452	.2514	.1508-01	.1204-01	.1234-01	8.010	64.35	675.9	
210	.70000	.00000	896.00	.1909	.1538	.1575	.9374-02	.7549-02	.7733-02	5.204	64.66	652.1	
210	.25000-01	.25000-01	897.00	.2495	.2035	.2344	.1225-01	.9957-02	.1151-01	7.285	65.13	614.2	
210	.10000+00	.10000+00	898.00	.2842	.2322	.2836	.1395-01	.1140-01	.1332-01	8.368	55.45	607.4	
210	.20000	.20000	899.00	.3793	.3091	.3824	.1862-01	.1518-01	.1877-01	11.00	65.69	616.3	
210	.30000	.30000	900.00	.3396	.2773	.3434	.1667-01	.1361-01	.1636-01	9.947	59.55	610.6	
210	.40000	.40000	901.00	.3290	.2685	.3331	.1615-01	.1318-01	.1636-01	9.628	59.28	611.0	
210	.50000	.50000	902.00	.2844	.2329	.2682	.1396-01	.1143-01	.1415-01	8.467	52.39	600.8	
210	.70000	.70000	903.00	.9870-01	.8160-01	.1031	.4844-02	.4007-02	.5062-02	3.111	22.12	565.0	
210	.00000	.00000	904.00	.2156	.1770	.1809	.1059-01	.8689-02	.8383-02	6.503	50.49	592.9	
210	.25000-01	.25000-01	905.00	.3553	.3100	.3594	.1892-01	.1522-01	.1765-01	10.44	78.68	655.1	
210	.75000	.50000-01	906.00	.2901	.2374	.2835	.1424-01	.1165-01	.1392-01	8.606	62.06	602.9	
210	.75000	.10000+00	907.00	.2162	.1742	.2158	.1061-01	.8720-02	.1059-01	6.257	44.63	589.4	
210	.75000	.20000	908.00	.2121	.1742	.2133	.1041-01	.8553-02	.1050-01	6.419	43.66	590.8	
210	.75000	.30000	909.00	.2768	.2269	.2798	.1359-01	.1114-01	.1373-01	8.289	51.38	597.2	

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19TO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
210	.75000	.40000	910.00	.2910	.2380	.2942	.1428-01	.1168-01	.1445-01	8.602	54.68	605.0
210	.75000	.60000	911.00	.2842	.2328	.2883	.1396-01	.1143-01	.1414-01	8.476	55.85	599.8
210	.75000	.80000	912.00	.1583	.1303	.1632	.7773-02	.6397-02	.8014-02	4.850	39.24	583.2
210	.75000	.90000	913.00	.1097	.0800-01	.1445	.5388-02	.4453-02	.5628-02	3.454	25.05	564.2
210	.75000	.00000	914.00	.7640-01	.6330-01	.8023-01	.3751-02	.3107-02	.3936-02	2.426	18.17	560.4
210	.80000	.00000	915.00	.3549	.2838	.2903	.1743-01	.1393-01	.1428-01	9.319	81.23	672.4
210	.80000	.20000	916.00	.1375	.1135	.1385	.6749-02	.5571-02	.6807-02	4.283	29.39	572.6
210	.80000	.40000	917.00	.2151	.1762	.2773	.1056-01	.8653-02	.1067-01	6.426	44.94	598.7
210	.80000	.60000	918.00	.1200	.9920-01	.1253	.5891-02	.4868-02	.6153-02	3.759	27.12	569.1
210	.85000	.00000	919.00	.4240	.3388	.3473	.2082-01	.1663-01	.1705-01	11.10	82.89	673.9
210	.85000	.20000	920.00	.1315	.1085	.1324	.6457-02	.5326-02	.6500-02	4.077	28.84	575.8
210	.85000	.40000	921.00	.1053	.8700-01	.1053	.5171-02	.4269-02	.5215-02	3.285	+ .05	572.0
210	.90000	.00000	922.00	.2534	.2058	.2405	.1244-01	.1011-01	.1034-01	7.226	35.20	626.2
210	.90000	.10000+00	923.00	.1917	.1577	.1913	.9411-02	.7742-02	.9423-02	5.856	42.61	584.9
210	.90000	.20000	924.00	.1415	.1167	.1422	.6949-02	.5729-02	.6730-02	4.378	30.94	577.2
210	.90000	.30000	925.00	.1156	.9540-01	.1644	.5673-02	.4683-02	.5716-02	3.594	25.44	573.7
210	.90000	.50000	926.00	.9310-01	.7690-01	.9403-01	.4570-02	.3775-02	.4614-02	2.912	20.55	570.1
210	.90000	.80000	927.00	.9800-01	.8100-01	.1003	.4812-02	.3977-02	.4950-02	3.072	23.72	568.7
210	.90000	.90000	928.00	.8330-01	.7440-01	.9413-01	.4416-02	.3651-02	.4619-02	2.826	22.22	567.3
210	.95000	.00000	929.00	.1534	.1263	.1293	.7331-02	.6153-02	.6336-02	4.702	34.24	582.9
210	.95000	.50000-01	930.00	.1932	.1586	.1894	.9484-02	.7788-02	.9298-02	5.842	41.01	591.2
210	.95000	.10000+00	931.00	.1710	.1408	.1703	.8396-02	.6911-02	.8361-02	5.240	38.16	583.1
210	.95000	.20000	932.00	.1497	.1234	.1507	.7349-02	.6050-02	.7397-02	4.633	31.73	576.8
210	.95000	.30000	933.00	.1244	.1026	.1253	.6107-02	.5059-02	.6159-02	3.867	27.37	571.0
210	.95000	.40000	934.00	.8470-01	.7000-01	.8563-01	.4159-02	.3438-02	.4203-02	2.661	19.53	567.4
210	.95000	.50000	935.00	.7050-01	.5930-01	.7183-01	.3461-02	.2662-02	.3526-02	2.218	16.57	566.3
210	.95000	.70000	936.00	.6610-01	.5480-01	.6843-01	.3247-02	.2690-02	.3358-02	2.101	15.47	560.2
210	.95000	.80000	937.00	.4470-01	.3710-01	.4673-01	.2197-02	.1823-02	.2294-02	1.437	10.80	553.1

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPGRK = .0000
BDFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	P2 PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
195	7.900	.5412	30.08	.0000	180.0	110.3	.1200-01	1269.	94.20	.5350	3756.	.1092-04
196	7.900	.5506	30.08	.0000	180.0	112.4	.1200-01	1271.	94.30	.5460	3758.	.1112-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
195	.7580-07		.1790-01	C.0175
196	.7588-07		.1807-01	.5454-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TA4)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	OTWOT DEG. R /SEC	TH DEG. R
196	.30000	.00000	845.00	.4190-01	.3470-01	.3640-01	.7574-03	.6270-03	.6572-03	.4630	5.184	532.7
196	.30000	.50000-01	846.00	.1235	.1069	.1213	.2342-02	.1931-02	.2202-02	1.400	15.59	545.8
196	.30000	.10000+00	847.00	.1095	.8960-01	.1027	.1961-02	.1619-02	.1855-02	1.181	10.13	541.4
196	.30000	.20000	848.00	.1047	.8550-01	.1000+00	.1892-02	.1563-02	.1807-02	1.143	8.236	539.4
196	.30000	.40000	850.00	.6570-01	.5430-01	.6330-01	.1188-02	.9811-03	.1143-02	.7160	5.156	540.7
196	.30000	.50000	851.00	.5290-01	.4370-01	.5130-01	.9560-03	.7897-03	.9272-03	.5770	4.292	540.2
196	.30020	.60000	852.00	.4760-01	.3930-01	.4620-01	.8604-03	.7109-03	.8342-03	.5200	3.873	539.0
196	.30000	.70000	853.00	.4160-01	.3440-01	.4040-01	.7525-03	.6221-03	.7308-03	.4560	3.288	537.6
196	.30000	.80000	854.00	.4140-01	.3420-01	.4040-01	.6184-03	.6184-03	.7301-03	.4540	3.389	535.8
196	.30000	.90000	855.00	.2460-01	.2040-01	.2450-01	.4441-03	.3581-03	.4034-03	.2740	2.015	527.6
196	.30000	.00000	855.00	.2370-01	.1970-01	.2390-01	.4282-03	.3552-03	.4315-03	.2650	1.922	525.1
196	.35000	.00000	857.00	.1177	.9720-01	.1020	.2127-02	.1757-02	.1843-02	1.103	11.03	539.8
196	.40000	.00000	859.00	.1835	.1509	.1584	.3315-02	.2727-02	.2853-02	1.954	19.68	554.3
196	.40000	.50000-01	859.00	.3556	.2924	.3275	.6425-02	.5284-02	.5919-02	3.780	27.01	555.3
196	.40000	.10000+00	860.00	.2273	.1873	.2147	.4106-02	.3365-02	.3879-02	2.447	17.56	547.7
196	.40000	.20000	861.00	.1238	.1022	.1193	.2238-02	.1847-02	.2156-02	1.344	9.985	543.0
196	.40000	.30000	862.00	.9950-01	.8210-01	.9640-01	.1798-02	.1484-02	.1743-02	1.081	7.779	542.1
196	.40000	.40000	863.00	.8350-01	.6900-01	.8100-01	.1508-02	.1246-02	.1463-02	.9100	7.007	540.1
196	.40000	.60000	864.00	.7910-01	.6540-01	.7450-01	.1429-02	.1182-02	.1383-02	.8670	5.874	537.0

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF ("AN)	H(STO) BTU/ R FT/SEC	H(TO) BTU/ R FT/SEC	H(TAW) BTU/ R FT/SEC	QDOT BTU/ R FT/SEC	DTOT DEG. R /SEC	TW DEG. R
196	40000	70000	865.00	.8000-01	.6620-01	.7763-01	.1446-02	.1195-02	.1405-02	.8780	5.952	536.3
196	40000	75000	865.00	.6720-01	.5560-01	.6543-01	.1214-02	.1004-02	.1181-02	.7390	5.514	534.7
196	40000	85000	867.00	.5100-01	.4220-01	.5043-01	.9206-03	.7626-03	.9108-03	.5650	4.294	530.3
196	40000	90000	868.00	.4240-01	.3510-01	.4263-01	.7656-03	.6345-03	.7701-03	.4710	4.070	528.2
196	40000	95000	869.00	.3710-01	.3080-01	.3763-01	.6706-03	.5561-03	.6793-03	.4140	3.382	526.6
196	50000	00000	871.00	.5488	.4480	.4711	.9916-02	.8035-02	.8513-02	5.603	45.44	578.6
196	50000	50000-01	872.00	.3567	.2934	.3305	.6445-02	.5302-02	.5971-02	2.245	29.02	554.4
196	50000	10000+00	873.00	.2071	.1709	.1973	.3742-02	.3088-02	.3565-02	1.511	16.68	543.5
196	50000	20000	874.00	.1364	.1144	.1337	.2501-02	.2067-02	.2416-02	1.511	10.88	539.5
196	50000	30000	875.00	.1141	.9430-01	.1104	.2062-02	.1704-02	.1996-02	1.248	8.993	538.4
196	50000	40000	876.00	.8600-01	.7280-01	.8533-01	.1591-02	.1315-02	.1541-02	.9630	6.941	538.4
196	50000	50000	877.00	.6760-01	.5590-01	.6363-01	.1221-02	.1010-02	.1145-02	.7430	5.195	535.4
196	50000	60000	879.00	.4000-01	.3320-01	.3893-01	.7229-03	.5934-03	.7028-03	.4460	3.515	526.9
196	55000	00000	879.00	.7303	.5685	.6207	.1320-01	.1063-01	.1122-01	6.956	57.49	616.5
196	60000	00000	880.00	.4550	.3707	.3903	.8222-02	.6599-02	.7047-02	4.595	41.79	584.7
196	60000	25000-01	881.00	.5035	.4099	.4529	.5044-02	.4134-02	.4672-02	5.197	39.43	569.0
196	60000	50000-01	882.00	.2783	.2288	.2385	.5029-02	.4134-02	.4672-02	2.950	28.39	557.0
196	60000	75000-01	883.00	.2826	.2327	.2676	.5106-02	.4205-02	.4636-02	3.028	22.41	550.6
196	60000	10000+00	884.00	.2138	.1765	.2047	.3864-02	.3190-02	.3698-02	2.324	16.72	537.2
196	60000	20000	885.00	.1451	.1200	.1405	.2632-02	.2168-02	.2538-02	1.590	11.47	532.3
196	60000	30000	886.00	.1354	.1120	.1311	.2447-02	.2023-02	.2359-02	1.484	10.05	537.2
196	60000	40000	887.00	.1193	.9860-01	.1153	.2155-02	.1782-02	.2084-02	1.306	9.126	537.4
196	60000	50000	888.00	.1593	.9350-01	.1063	.1976-02	.1634-02	.1916-02	1.202	8.407	535.1
196	60000	60000	889.00	.9180-01	.7600-01	.8313-01	.1659-02	.1373-02	.1610-02	1.011	7.077	534.1
196	60000	80000	891.00	.5610-01	.4650-01	.5453-01	.1015-02	.8407-03	.1004-02	.6240	4.666	529.0
196	60000	90000	892.00	.6010-01	.4980-01	.5673-01	.1086-02	.9032-03	.1079-02	.6690	4.929	527.4
196	60000	95000	893.00	.5230-01	.4340-01	.5271-01	.9444-03	.7835-03	.9519-03	.5840	4.454	525.1
196	60000	00000	894.00	.3770-01	.3300-01	.4023-01	.7175-03	.5955-03	.7267-03	.4450	3.398	523.1
196	60000	00000	895.00	.3307	.2707	.2845	.5976-02	.4891-02	.5140-02	3.422	28.93	571.0
196	70000	00000	895.00	.1652	.1358	.1425	.2584-02	.2453-02	.2576-02	1.751	22.81	556.8
196	70000	25000-01	897.00	.2363	.1952	.2133	.4279-02	.3526-02	.3856-02	2.548	23.60	548.1
196	70000	50000+00	898.00	.2214	.1829	.2214	.4300-02	.3304-02	.3921-02	2.413	16.83	540.3
196	70000	75000	899.00	.1805	.1493	.1742	.3663-02	.2688-02	.3148-02	1.981	12.30	536.6
196	70000	90000	900.00	.1440	.1192	.1393	.2602-02	.2154-02	.2523-02	1.588	9.878	533.5
196	70000	00000	901.00	.1262	.1045	.1223	.2290-02	.1888-02	.2211-02	1.393	8.920	532.7
196	70000	50000	902.00	.1094	.9560-01	.1061	.1977-02	.1637-02	.1918-02	1.208	7.735	532.5
196	70000	75000	903.00	.5920-01	.4910-01	.5953-01	.1070-02	.8879-03	.1076-02	.6630	4.810	524.3
196	75000	00000	904.00	.1466	.1233	.1291	.2685-02	.2227-02	.2333-02	1.661	13.35	524.8
196	75000	25000-01	905.00	.3531	.2898	.3177	.6380-02	.5237-02	.5740-02	3.716	29.31	561.2
196	75000	50000-01	906.00	.3158	.2605	.2957	.5707-02	.4706-02	.5343-02	3.412	25.32	545.7
196	75000	10000+00	907.00	.2451	.2024	.2451	.4428-02	.3657-02	.4229-02	2.669	18.62	540.8
196	75000	20000	908.00	.1535	.1271	.1483	.2774-02	.2296-02	.2679-02	1.692	11.84	533.9
196	75000	30000	909.00	.1344	.1113	.1303	.2428-02	.2010-02	.2350-02	1.486	9.518	531.6

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(RVIL11)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(ISO) BTU/ R FT2SEC	H(ISO) BTU/ R FT2SEC	H(ISO) BTU/ R FT2SEC	H(ISO) BTU/ R FT2SEC	OOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
196	75000	.40000	910.00	.1241	.1027	.1201	.2242-02	.1856-02	.2171-02	.2171-02	1.371	9.039	532.0
196	75000	.60000	911.00	.1070	.8870-01	.1033	.1934-02	.1602-02	.1876-02	.1876-02	1.187	8.075	529.6
196	75000	.80000	912.00	.5970-01	.5780-01	.6830-01	.1259-02	.1044-02	.1245-02	.1245-02	.7760	6.457	527.3
196	75000	.90000	913.00	.6080-01	.5050-01	.6120-01	.1099-02	.9125-02	.1105-02	.1105-02	.6820	5.039	522.9
196	75000	.95000	914.00	.4430-01	.3690-01	.4480-01	.7993-03	.6641-03	.8091-03	.8091-03	.4970	3.798	521.9
196	80000	.00000	915.00	.3179	.2607	.2733	.5744-02	.4710-02	.4948-02	.4948-02	3.324	30.53	565.0
196	80000	.20000	916.00	.1494	.1236	.1443	.2699-02	.2234-02	.2607-02	.2607-02	1.649	11.54	532.7
196	80000	.40000	917.00	.1087	.9010-01	.1052	.1955-02	.1627-02	.1901-02	.1901-02	1.204	8.707	531.1
196	80000	.60000	918.00	.5540-01	.5430-01	.6570-01	.1182-02	.9809-03	.1188-02	.1188-02	.7330	5.410	523.4
196	85000	.00000	919.00	.3847	.3155	.3314	.6951-02	.5701-02	.5989-02	.5989-02	4.028	31.72	584.2
196	85000	.20000	920.00	.1566	.1256	.1523	.2829-02	.2342-02	.2727-02	.2727-02	1.727	12.48	533.1
196	85000	.40000	921.00	.1117	.9250-01	.1073	.2017-02	.1671-02	.1949-02	.1949-02	1.236	9.244	530.8
196	90000	.00000	922.00	.2321	.1914	.2008	.4194-02	.3458-02	.3628-02	.3628-02	2.503	19.89	546.8
196	90000	.20000	923.00	.2330	.1927	.2234	.4211-02	.3481-02	.4036-02	.4036-02	2.553	19.03	537.2
196	90000	.40000	924.00	.1854	.1533	.1783	.3350-02	.2770-02	.3222-02	.3222-02	2.034	14.67	536.6
196	90000	.60000	925.00	.1649	.1365	.1591	.2980-02	.2466-02	.2875-02	.2875-02	1.817	13.12	533.9
196	90000	.80000	926.00	.1009	.8360-01	.9760-01	.1823-02	.1510-02	.1763-02	.1763-02	1.120	8.113	528.9
196	90000	.90000	927.00	.7520-01	.6240-01	.7430-01	.1359-02	.1128-02	.1342-02	.1342-02	.8410	6.636	525.1
196	95000	.00000	928.00	.5840-01	.4850-01	.5880-01	.1055-02	.8756-03	.1062-02	.1062-02	.6550	5.265	523.0
196	95000	.20000	929.00	.1303	.1079	.113	.2355-02	.1950-02	.2044-02	.2044-02	1.442	10.77	531.6
196	95000	.40000	930.00	.1865	.1542	.175	.3359-02	.2768-02	.3164-02	.3164-02	2.046	14.76	536.4
196	95000	.60000	931.00	.1778	.1470	.1695	.3212-02	.2656-02	.3062-02	.3062-02	1.951	14.54	536.3
196	95000	.80000	932.00	.1769	.1454	.1705	.3197-02	.2645-02	.3082-02	.3082-02	1.945	13.60	535.2
196	95000	.90000	933.00	.1678	.1389	.162	.3032-02	.2509-02	.2929-02	.2929-02	1.847	13.34	534.3
196	95000	.00000	934.00	.1155	.9560-01	.1118	.2086-02	.1728-02	.2020-02	.2020-02	1.280	9.573	530.1
196	95000	.20000	935.00	.6920-01	.5660-01	.6660-01	.1232-02	.1022-02	.1204-02	.1204-02	.7620	5.812	525.1
196	95000	.40000	936.00	.7260-01	.6020-01	.7210-01	.1311-02	.1088-02	.1303-02	.1303-02	.8130	6.103	523.3
196	95000	.60000	937.00	.4820-01	.4300-01	.4850-01	.8712-03	.7236-03	.8763-03	.8763-03	.5430	4.146	520.8

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OH-49B (AEDC V41B-57A) CREITER LOWER WING

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LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BOFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	FO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
201	7.940	1.001	30.06	.0000	180.0	209.0	.2200-01	1278.	93.90	.9920	3770.	.2008-04
202	7.940	1.004	30.08	.0000	180.0	209.6	.2300-01	1278.	93.90	.9950	3770.	.2014-04

RUN NUMBER	MU	LB-SEC /FT ²	ST FR R =
201	.7561-07	.4061-01	0.0175
202	.7561-07	.4055-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
202	.30000	.00000	845.00	.4110-01	.3400-01	.3570-01	.1004-02	.8312-03	.8711-03	.6180	6.925	534.0
202	.30000	.50000-01	846.00	.1302	.1073	.1224	.3180-02	.2621-02	.2990-02	1.907	21.18	550.5
202	.30000	.10000*00	847.00	.1216	.1034	.1150	.2970-02	.2451-02	.2808-02	1.794	15.35	546.2
202	.30000	.20000	848.00	.1034	.8540-01	.5870-01	.2524-02	.2085-02	.2410-02	1.533	11.02	542.9
202	.30000	.40000	850.00	.6130-01	.5060-01	.5900-01	.1497-02	.1236-02	.1441-02	.9070	6.513	544.7
202	.30000	.50000	851.00	.4630-01	.3830-01	.4500-01	.1132-02	.9347-03	.1098-02	.6860	5.092	544.4
202	.30000	.60000	852.00	.4420-01	.3650-01	.4280-01	.1078-02	.8908-03	.1045-02	.6550	4.863	543.2
202	.30000	.70000	853.00	.3820-01	.3150-01	.3700-01	.9320-03	.7701-03	.9050-03	.5670	4.078	542.0
202	.30000	.80000	854.00	.3960-01	.3290-01	.3890-01	.9721-03	.8036-03	.9492-03	.5930	4.409	540.6
202	.30000	.90000	855.00	.2440-01	.2020-01	.2430-01	.5952-03	.4933-03	.5343-03	.3680	2.707	531.5
202	.30000	.00000	856.00	.2790-01	.2310-01	.2810-01	.6808-03	.5646-03	.6862-03	.4230	3.062	529.1
202	.30000	.00000	857.00	.1169	.9660-01	.1013	.2855-02	.2358-02	.2473-02	1.731	14.83	544.0
202	.40000	.00000	858.00	.1816	.1491	.1536	.4434-02	.3642-02	.3924-02	2.604	26.12	563.0
202	.40000	.50000-01	859.00	.3540	.2305	.3258	.8646-02	.7095-02	.7957-02	5.055	35.93	565.6
202	.40000	.10000*00	860.00	.2212	.1821	.2089	.5402-02	.4446-02	.5101-02	3.211	22.94	555.8
202	.40000	.20000	861.00	.1207	.9950-01	.1162	.2947-02	.2430-02	.2839-02	1.771	13.11	549.5
202	.40000	.30000	862.00	.9800-01	.8080-01	.9500-01	.2393-02	.1974-02	.2319-02	1.443	10.35	547.3
202	.40000	.40000	863.00	.8080-01	.6670-01	.7830-01	.1972-02	.1626-02	.1913-02	1.192	9.152	545.7
202	.40000	.50000	864.00	.7410-01	.6120-01	.7170-01	.1811-02	.1496-02	.1752-02	1.099	7.424	543.2

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO) BTU/ R F12SEC	H1TO) BTU/ R F12SEC	H1TAM) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTWOT DEG. R /SEC	TW DEG. R
202	40000	70000	865.00	.8210-01	.6780-01	.7960-01	.2004-02	.1656-02	.1943-02	1.219	8.234	542.2
202	40000	75000	866.00	.6930-01	.5730-01	.6750-01	.1693-02	.1400-02	.1648-02	1.032	7.674	540.9
202	40000	85000	867.00	.5650-01	.4670-01	.5530-01	.1379-02	.1141-02	.1364-02	.8470	6.418	536.3
202	40000	90000	868.00	.4550-01	.3770-01	.4530-01	.1112-02	.0914-03	.1119-02	.6860	5.908	532.6
202	40000	95000	869.00	.3600-01	.2980-01	.3640-01	.8781-03	.7279-03	.8896-03	.5440	4.434	531.1
202	50000	00000	871.00	.5543	.4503	.4740	.1354-01	.1100-01	.1158-01	7.486	60.15	597.3
202	50000	50000-01	872.00	.3537	.2902	.3273	.8637-02	.7086-02	.7993-02	5.044	38.32	566.3
202	50000	10000-00	873.00	.2066	.1702	.1968	.5046-02	.4158-02	.4806-02	3.018	22.32	552.2
202	50000	20000	874.00	.1379	.1138	.1331	.3367-02	.2778-02	.3251-02	2.029	14.55	547.7
202	50000	30000	875.00	.1175	.9700-01	.1137	.2869-02	.2368-02	.2777-02	1.734	12.45	546.1
202	50000	40000	876.00	.9410-01	.7770-01	.9120-01	.2298-02	.1858-02	.2227-02	1.392	10.00	544.7
202	50000	60000	877.00	.6920-01	.5710-01	.6700-01	.1689-02	.1395-02	.1638-02	1.027	7.152	542.5
202	50000	90000	878.00	.3930-01	.3260-01	.3820-01	.9608-03	.7963-03	.9341-03	.5940	4.673	531.9
202	55000	00000	879.00	.7136	.5692	.6017	.1743-01	.1390-01	.1469-01	8.778	71.50	646.6
202	60000	00000	880.00	.4520	.3660	.3856	.1104-01	.8939-02	.9417-02	6.006	54.05	606.2
202	60000	25000-01	881.00	.4975	.4056	.4482	.1215-01	.9905-02	.1095-01	6.851	51.53	586.4
202	60000	50000-01	882.00	.2785	.2282	.2584	.6601-02	.5573-02	.6310-02	3.943	37.69	570.5
202	60000	75000-01	883.00	.2882	.2368	.2728	.7039-02	.5784-02	.6662-02	4.145	30.51	561.5
202	60000	10000-00	884.00	.2175	.1726	.2085	.5322-02	.4387-02	.5092-02	3.191	22.86	550.7
202	60000	20000	885.00	.1472	.1215	.1424	.3594-02	.2958-02	.3478-02	2.177	15.64	544.6
202	60000	30000	886.00	.1368	.1129	.1324	.3341-02	.2758-02	.3233-02	2.022	13.64	545.2
202	60000	40000	887.00	.1177	.9710-01	.1137	.2874-02	.2372-02	.2778-02	1.737	12.08	546.0
202	60000	50000	888.00	.1064	.8790-01	.1031	.2598-02	.2146-02	.2519-02	1.576	10.97	543.6
202	60000	60000	889.00	.9050-01	.7490-01	.8790-01	.2212-02	.1829-02	.2146-02	1.348	9.395	541.2
202	60000	80000	891.00	.5350-01	.4430-01	.5300-01	.1308-02	.1082-02	.1293-02	.8040	5.992	535.8
202	60000	892.00	892.00	.6220-01	.5150-01	.6180-01	.1518-02	.1257-02	.1309-02	.9360	6.872	533.8
202	60000	90000	893.00	.5040-01	.4180-01	.5080-01	.1231-02	.1021-02	.1241-02	.7630	5.805	530.4
202	60000	95000	894.00	.3850-01	.3190-01	.3900-01	.9391-03	.7792-03	.9513-03	.5850	4.456	527.3
202	65000	00000	895.00	.3329	.2713	.2934	.8129-02	.6825-02	.6969-02	4.575	38.36	587.5
202	70000	00000	896.00	.1622	.1330	.1397	.3951-02	.3247-02	.3411-02	2.302	29.79	569.2
202	70000	25000-01	897.00	.2380	.1957	.2148	.5812-02	.4780-02	.5245-02	3.441	31.72	558.2
202	70000	10000-00	898.00	.2195	.1811	.2036	.5352-02	.4423-02	.5120-02	3.227	22.41	548.5
202	70000	20000	899.00	.1777	.1469	.1715	.4341-02	.3587-02	.4188-02	2.639	16.34	542.4
202	70000	30000	900.00	.1442	.1192	.1398	.3522-02	.2912-02	.3413-02	2.148	13.32	540.3
202	70000	40000	901.00	.1275	.1054	.1256	.3113-02	.2574-02	.3018-02	1.900	12.12	540.0
202	70000	60000	902.00	.1100	.9500-01	.1068	.2687-02	.2222-02	.2637-02	1.641	10.47	539.7
202	70000	90000	903.00	.5700-01	.4720-01	.5730-01	.1391-02	.1153-02	.1339-02	.8620	6.238	530.5
202	75000	00000	904.00	.6730-01	.5580-01	.5850-01	.1645-02	.1353-02	.1428-02	1.017	8.137	532.1
202	75000	25000-01	905.00	.3454	.2826	.3132	.8435-02	.6902-02	.7575-02	4.853	38.02	574.9
202	75000	50000-01	906.00	.3022	.2488	.2828	.7380-02	.6076-02	.6905-02	4.395	32.46	554.8
202	75000	10000-00	907.00	.2312	.1907	.2208	.5647-02	.4657-02	.5392-02	3.397	23.60	548.7
202	75000	20000	908.00	.1503	.1243	.1451	.3671-02	.3034-02	.3544-02	2.236	15.59	541.3
202	75000	30000	909.00	.1330	.1100	.1287	.3248-02	.2687-02	.3143-02	1.989	12.70	537.8

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL11)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(190) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	OTMOT DEG. R /SEC	TM DEG. R
202	.75000	.40000	910.00	.1229	.1017	.1130	.3002-02	.2483-02	.2906-02	1.835	12.06	539.0
202	.75000	.60000	911.00	.1059	.8760-01	.1027	.2585-02	.2140-02	.2509-02	1.587	10.75	536.7
202	.75000	.80000	912.00	.6820-01	.5640-01	.6740-01	.1665-02	.1379-02	.1646-02	1.026	8.505	534.1
202	.75000	.90000	913.00	.5890-01	.4880-01	.5920-01	.1437-02	.1192-02	.1445-02	.8940	6.579	528.6
202	.75000	.95000	914.00	.4310-01	.3580-01	.4360-01	.1053-02	.8737-03	.1065-02	.6570	5.004	526.4
202	.80000	.00000	915.00	.3203	.2615	.2749	.7821-02	.6385-02	.6715-02	4.445	40.49	582.0
202	.80000	.20000	916.00	.1623	.1343	.1538	.3964-02	.3279-02	.3829-02	2.424	16.92	538.7
202	.80000	.40000	917.00	.1150	.0590-01	.1121	.2832-02	.2343-02	.2739-02	1.733	12.49	538.4
202	.80000	.60000	918.00	.6510-01	.400-01	.6540-01	.1589-02	.1318-02	.1597-02	.9870	7.264	529.1
202	.85000	.00000	919.00	.3953	.3227	.3334	.9654-02	.7882-02	.8288-02	5.489	42.86	581.7
202	.85000	.20000	920.00	.1496	.1237	.1442	.3654-02	.3021-02	.3047-02	2.228	16.04	540.6
202	.85000	.40000	921.00	.1292	.1068	.1248	.3155-02	.2608-02	.3047-02	1.922	14.30	541.0
202	.90000	.00000	922.00	.2301	.1892	.1937	.5615-02	.4621-02	.4951-02	3.327	26.28	558.3
202	.90000	.10000+00	923.00	.2267	.1871	.2172	.5535-02	.4568-02	.5303-02	3.343	24.79	546.4
202	.90000	.20000	924.00	.1846	.1525	.1775	.4508-02	.3724-02	.4334-02	2.737	19.68	543.1
202	.90000	.30000	925.00	.1553	.1284	.1438	.3793-02	.3136-02	.3659-02	2.314	16.66	540.2
202	.90000	.50000	926.00	.1401	.1158	.1335	.3422-02	.2829-02	.3309-02	2.087	15.03	540.3
202	.90000	.80000	927.00	.1108	.9170-01	.1034	.2706-02	.2240-02	.2671-02	1.663	13.05	535.8
202	.90000	.90000	928.00	.7230-01	.5930-01	.7230-01	.1765-02	.1463-02	.1777-02	1.095	8.771	530.0
202	.95000	.00000	929.00	.1300	.1075	.1127	.3174-02	.2676-02	.2753-02	1.944	14.49	537.7
202	.95000	.50000-01	930.00	.1800	.1487	.1630	.4396-02	.3632-02	.4127-02	2.672	19.22	542.4
202	.95000	.10000+00	931.00	.1796	.1484	.1712	.4386-02	.3624-02	.4181-02	2.666	19.81	542.5
202	.95000	.20000	932.00	.1785	.1475	.1720	.4359-02	.3602-02	.4200-02	2.651	18.48	542.1
202	.95000	.30000	933.00	.1677	.1386	.1620	.4096-02	.3386-02	.3956-02	2.496	17.97	540.8
202	.95000	.50000	934.00	.1147	.9490-01	.1110	.2800-02	.2318-02	.2711-02	1.717	12.80	537.0
202	.95000	.70000	935.00	.1156	.9570-01	.1129	.2822-02	.2336-02	.2756-02	1.733	13.14	536.1
202	.95000	.80000	936.00	.1266	.1048	.1258	.3032-02	.2560-02	.3072-02	1.903	14.20	534.8
202	.95000	.90000	937.00	.8820-01	.7310-01	.8870-01	.2153-02	.1785-02	.2166-02	1.335	10.15	530.3

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OH-498 (AEDC V41B-57A) ORRITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPDRBK = .0000
 BDFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
205	7.980	1.993	30.05	.0000	180.0	430.0	.4500-01	1295.	94.30	1.996	3796.	.3985-04
206	7.980	1.967	30.09	.0000	180.0	428.3	.4500-01	1303.	94.80	1.988	3808.	.3945-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
205	.7569-07	.3467-01		0.0175
206	.7635-07	.3464-01		.2887-01
				.2903-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1GTO) BTU/ R FT ² SEC	H1TO) BTU/ R FT ² SEC	H1TAW) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTMDT DEG. R /SEC	TW DEG. R
206	.30000	.00000	845.00	.4030-01	.3340-01	.3500-01	.1395-02	.1157-02	.1212-02	.8830	9.853	539.8
206	.30000	.50000-01	846.00	.1259	.1036	.1137	.4362-02	.3590-02	.4099-02	2.641	29.08	567.0
206	.30000	.10000+00	847.00	.1144	.9440-01	.1032	.3964-02	.3270-02	.3748-02	2.433	20.69	558.7
206	.30000	.20000	848.00	.1056	.6720-01	.1028	.3658-02	.3021-02	.3452-02	2.259	16.15	554.7
206	.30000	.40000	850.00	.5590-01	.4620-01	.5330-01	.1937-02	.1599-02	.1864-02	1.195	8.542	555.3
206	.30000	.50000	851.00	.4250-01	.3500-01	.4120-01	.1470-02	.1214-02	.1426-02	.9060	6.688	555.2
206	.30000	.60000	852.00	.4240-01	.3500-01	.4110-01	.1470-02	.1214-02	.1426-02	.9070	6.698	555.3
206	.30000	.70000	853.00	.4390-01	.3620-01	.4250-01	.1520-02	.1255-02	.1475-02	.9390	6.713	554.4
206	.30000	.80000	854.00	.5580-01	.4610-01	.5450-01	.1332-02	.1083-02	.1686-02	1.196	8.838	553.5
206	.30000	.90000	855.00	.3770-01	.3130-01	.3770-01	.1306-02	.1083-02	.1304-02	.8200	6.042	540.4
206	.30000	.95000	856.00	.3730-01	.3100-01	.3750-01	.1293-02	.1072-02	.1303-02	.8200	5.908	538.2
206	.30000	.00000	857.00	.9310-01	.7690-01	.8050-01	.3223-02	.2662-02	.2792-02	1.993	16.99	554.1
206	.40000	.00000	858.00	.1820	.1491	.1556	.6305-02	.5163-02	.5426-02	3.713	36.86	583.6
206	.40000	.50000-01	859.00	.3464	.2832	.3132	.1200-01	.9808-02	.1102-01	6.998	49.17	589.2
206	.40000	.10000+00	860.00	.2195	.1802	.2071	.7602-02	.6242-02	.7172-02	4.546	32.18	574.4
206	.40000	.20000	861.00	.1188	.9780-01	.1144	.4113-02	.3389-02	.3961-02	2.507	18.44	562.9
206	.40000	.30000	862.00	.9310-01	.7670-01	.9020-01	.3225-02	.2658-02	.3125-02	1.970	14.04	561.5
206	.40000	.40000	863.00	.7380-01	.6080-01	.7150-01	.2555-02	.2108-02	.2478-02	1.567	11.95	559.2
206	.40000	.60000	864.00	.7620-01	.6300-01	.7370-01	.2640-02	.2181-02	.2554-02	1.632	10.96	554.4

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(11A) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMCT DEG. R /SEC	TN DEG. R
206	40000	70000	865.00	8640-01	7140-01	3380-01	2994-02	2472-02	2902-02	1.848	12.41	555.1
206	40000	75000	866.00	7500-01	6190-01	7300-01	2597-02	2146-02	2527-02	1.609	11.90	552.8
206	40000	85000	867.00	6570-01	5430-01	6490-01	2274-02	1883-02	2250-02	1.424	10.74	546.4
206	40000	90000	868.00	5170-01	4280-01	5200-01	1792-02	1484-02	1802-02	1.126	9.644	544.3
206	40000	95000	869.00	4380-01	3630-01	4440-01	1518-02	1258-02	1538-02	.9570	7.756	542.4
206	50000	00000	871.00	5486	4419	4662	1900-01	1531-01	1615-01	10.25	80.98	632.8
206	50000	50000-01	872.00	3488	2848	3221	1208-01	9863-02	1116-01	7.000	52.48	592.9
206	50000	10000+00	873.00	2057	1690	1958	7125-02	5853-02	6780-02	4.273	31.28	572.7
206	50000	20000	874.00	1376	1133	1327	4762-02	3923-02	4596-02	2.901	20.65	563.2
206	50000	30000	875.00	1223	1008	1183	4234-02	3491-02	4096-02	2.591	18.47	560.5
206	50000	40000	876.00	1003	8270-01	3710-01	3473-02	2864-02	3364-02	2.128	15.17	559.4
206	50000	50000	877.00	7450-01	6150-01	7220-01	2580-02	2133-02	2502-02	1.592	11.02	555.4
206	50000	60000	878.00	4120-01	3410-01	4000-01	1427-02	1187-02	1387-02	.8980	7.021	543.2
206	55000	00000	879.00	4976	54	5810	2416-01	1897-01	2012-01	11.49	91.40	696.9
206	60000	00000	880.00	4550	3658	3682	1579-01	1267-01	1338-01	8.345	73.73	644.0
206	60000	25000-01	881.00	5058	4096	4540	1752-01	1419-01	1572-01	9.717	71.97	617.7
206	60000	50000-01	882.00	2859	2332	2648	9904-02	8077-02	9171-02	5.705	53.83	596.4
206	60000	75000-01	883.00	2887	2363	2729	9938-02	8186-02	9452-02	5.884	42.83	583.9
206	60000	10000+00	884.00	2176	1789	2081	7537-02	6198-02	7207-02	4.545	32.25	569.4
206	60000	20000	885.00	1435	1182	1398	4971-02	4095-02	4808-02	3.028	21.56	563.2
206	60000	30000	886.00	1356	1125	1321	4731-02	3896-02	4575-02	2.875	19.21	564.5
206	60000	40000	887.00	1179	9710-01	1139	4083-02	3364-02	3943-02	2.490	17.17	562.6
206	60000	50000	888.00	1075	8370-01	1042	3724-01	3071-02	3609-02	2.791	15.75	559.9
206	60000	60000	889.00	9120-01	7530-01	9840-01	3158-02	2607-02	3063-02	1.946	13.47	556.2
206	60000	80000	891.00	5530-01	4550-01	5470-01	1917-02	1586-02	1896-02	1.199	8.893	546.8
206	60000	85000	892.00	6330-01	5290-01	6340-01	2211-02	1931-02	2198-02	1.388	10.14	544.6
206	60000	90000	893.00	5420-01	4490-01	5450-01	1876-02	1555-02	1691-02	1.184	8.956	541.3
206	65000	00000	894.00	3890-01	3230-01	3940-01	1349-02	1119-02	1366-02	.8550	6.474	538.6
206	70000	00000	895.00	3308	2680	2823	1146-01	9281-02	9778-02	6.364	52.59	617.0
206	70000	25000-01	896.00	1592	1302	1358	5515-02	4509-02	4740-02	3.219	41.24	588.8
206	70000	50000+00	897.00	2253	1854	2035	7825-02	6423-02	7054-02	4.668	42.64	575.9
206	70000	10000+00	898.00	2140	1761	2042	7411-02	6100-02	7072-02	4.493	30.93	566.2
206	70000	20000	899.00	1788	1474	1724	6192-02	5106-02	5971-02	3.793	23.29	559.8
206	70000	30000	900.00	1468	1211	1422	5085-02	4196-02	4927-02	3.125	19.20	558.0
206	70000	40000	901.00	1250	1031	1211	4330-02	3572-02	4194-02	2.657	16.79	558.7
206	70000	50000	902.00	1122	9260-01	1098	3687-02	3203-02	3769-02	2.389	15.10	557.8
206	70000	60000	903.00	6000-01	4970-01	6030-01	2077-02	1721-02	2063-02	1.309	9.412	542.3
206	75000	00000	904.00	1496	1239	1298	5181-02	4290-02	4497-02	1.307	25.82	545.7
206	75000	25000-01	905.00	3122	2545	2736	1081-01	8816-02	9690-02	6.222	48.21	597.0
206	75000	50000-01	906.00	2331	2331	2652	9627-02	8072-02	9186-02	5.889	43.10	573.1
206	75000	10000+00	907.00	2270	1667	2166	7863-02	6468-02	7502-02	4.750	32.67	568.3
206	75000	20000	908.00	1506	1325	1506	5563-02	4519-02	5368-02	3.414	3.60	558.7
206	75000	30000	909.00	1303	1077	1261	4514-02	3729-02	4367-02	2.793	17.70	553.6

(RVIL11)

AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

PRI NUMBER	21/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H19TO BTU/R FT2SEC	H1TO BTU/R FT2SEC	H1TAM BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
206	.75000	.40000	910.00	.1177	.9710-01	.1139	.4077-02	.3364-02	.3945-02	2.504	16.29	558.2
206	.75000	.60000	911.00	.1082	.8930-01	.1050	.3749-02	.3095-02	.3636-02	2.310	15.50	556.4
206	.75000	.80000	912.00	.7210-01	.5360-01	.7130-01	.2498-02	.2065-02	.2469-02	1.554	12.79	550.0
206	.75000	.90000	913.00	.6100-01	.5060-01	.6130-01	.2113-02	.1751-02	.2124-02	1.333	9.751	541.4
206	.75000	.95000	914.00	.4300-01	.3570-01	.4330-01	.1489-02	.1235-02	.1506-02	.9430	7.135	539.5
206	.80000	.00000	915.00	.3226	.2617	.2736	.1117-01	.9065-02	.9547-02	6.259	56.16	612.3
206	.80000	.20000	916.00	.2512	.1165	.1356	.8702-02	.7142-02	.8392-02	5.190	35.56	576.0
206	.80000	.40000	917.00	.1413	.1165	.1356	.4895-02	.4037-02	.4730-02	3.001	21.40	559.3
206	.80000	.60000	918.00	.6540-01	.5500-01	.6670-01	.1366-01	.1108-01	.2312-02	1.447	10.57	543.5
206	.85000	.00000	919.00	.3944	.3200	.3370	.8717-02	.7169-02	.8391-02	7.658	58.92	611.7
206	.85000	.20000	920.00	.2517	.2070	.2423	.1266-01	.1034-01	.1220-01	5.257	37.30	589.4
206	.85000	.40000	921.00	.3654	.2987	.3521	.8034-02	.6566-02	.6897-02	4.758	53.56	578.0
206	.90000	.00000	922.00	.2311	.1896	.1931	.7864-02	.6478-02	.7531-02	4.789	35.21	563.5
206	.90000	.20000	923.00	.2271	.1870	.1851	.6708-02	.5530-02	.6446-02	4.104	3.24	560.6
206	.90000	.40000	924.00	.1937	.1597	.1971	.7083-02	.5835-02	.6829-02	4.313	30.69	563.5
206	.90000	.60000	925.00	.2045	.1685	.1971	.1160-01	.9505-02	.1120-01	6.849	48.29	582.1
206	.90000	.80000	926.00	.3350	.2744	.2338	.8420-02	.6927-02	.8307-02	5.089	39.30	568.0
206	.90000	.00000	927.00	.2431	.2000	.2338	.5357-02	.4421-02	.5395-02	2.295	26.04	557.3
206	.90000	.20000	928.00	.1547	.1276	.1558	.4443-02	.3575-02	.3854-02	2.775	20.57	547.8
206	.95000	.00000	929.00	.1283	.1061	.1113	.6109-02	.5041-02	.5732-02	3.756	26.91	557.6
206	.95000	.20000	930.00	.1764	.1455	.1635	.6142-02	.5067-02	.5952-02	3.771	27.80	558.5
206	.95000	.40000	931.00	.1773	.1463	.1630	.6382-02	.5266-02	.6148-02	3.923	27.12	557.8
206	.95000	.60000	932.00	.1843	.1520	.1775	.5005-02	.4954-02	.5797-02	3.690	26.34	557.9
206	.95000	.80000	933.00	.1734	.1430	.1674	.6378-02	.5256-02	.6169-02	3.894	28.66	561.8
206	.95000	.00000	934.00	.1841	.1518	.1731	.6557-02	.5485-02	.6497-02	4.056	30.33	563.2
206	.95000	.20000	935.00	.1922	.1583	.1876	.6526-02	.5486-02	.6482-02	4.015	29.62	557.2
206	.95000	.40000	936.00	.1884	.1555	.1871	.4530-02	.3796-02	.4617-02	2.860	21.54	549.4
206	.95000	.60000	937.00	.1325	.1096	.1333						

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BDFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
211	8.000	3.761	30.07	.0000	180.0	861.5	.8800-01	1341.	97.20	3.953	3865.	.7616-04
212	8.000	3.720	30.06	.0000	180.0	855.1	.8800-01	1346.	97.50	3.928	3871.	.7544-04

RUN NUMBER	MJ	LB-SEC /FT2	REF BTU/ R FT2SEC	ST FR R =
211	.7826-07	.4913-01	.4837-01	0.0175
212	.7851-07	.4837-01	.4837-01	.2095-01

TEST DATA

RUN NUMBER	2V/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(90) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DT/DT DEG. R /SEC	TM DEG. R
212	.30000	.00000	845.00	.3890-01	.3230-01	.3391-01	.1907-02	.1580-02	.1580-02	.1580-02	1.241	13.71	560.2
212	.30000	.50000-01	846.00	.1199	.9820-01	.1125	.5871-02	.4810-02	.4810-02	.4810-02	3.581	38.77	601.2
212	.30000	.10000-00	847.00	.1063	.8720-01	.1031	.5192-02	.4269-02	.4269-02	.4269-02	3.232	27.09	588.5
212	.30000	.20000	848.00	.1020	.8410-01	.9730-01	.4995-02	.4117-02	.4117-02	.4117-02	3.151	22.24	580.3
212	.30000	.40000	850.00	.5650-01	.4650-01	.5440-01	.2768-02	.2278-02	.2278-02	.2278-02	1.733	12.20	585.1
212	.30000	.50000	851.00	.5460-01	.4490-01	.5230-01	.2674-02	.2199-02	.2199-02	.2199-02	1.665	12.09	588.7
212	.30000	.60000	852.00	.8620-01	.7250-01	.8530-01	.4321-02	.3552-02	.3552-02	.3552-02	2.685	19.48	589.5
212	.30000	.70000	853.00	.1367	.1122	.1326	.6995-02	.5495-02	.5495-02	.5495-02	4.122	28.87	595.5
212	.30000	.80000	854.00	.1928	.1580	.1831	.9444-02	.7738-02	.7738-02	.7738-02	5.763	41.60	600.9
212	.30000	.90000	855.00	.1129	.9320-01	.1127	.5529-02	.4566-02	.4566-02	.4566-02	3.525	25.38	573.4
212	.30000	.95000	856.00	.1013	.8377-01	.1021	.4950-02	.4101-02	.4101-02	.4101-02	3.184	22.59	569.4
212	.30000	.00000	857.00	.1002	.8260-01	.8670-01	.4905-02	.4045-02	.4045-02	.4045-02	3.104	26.15	578.2
212	.40000	.00000	858.00	.1655	.1520	.1539	.9133-02	.7445-02	.7445-02	.7445-02	5.514	52.84	618.4
212	.40000	.50000-01	859.00	.2813	.2813	.3177	.1659-01	.1378-01	.1378-01	.1378-01	9.797	67.33	634.6
212	.40000	.10000-00	860.00	.2226	.1816	.2036	.1090-01	.6895-02	.6895-02	.6895-02	5.510	45.19	613.8
212	.40000	.20000	861.00	.1242	.1018	.1135	.6080-02	.4986-02	.4986-02	.4986-02	3.730	26.97	597.7
212	.40000	.30000	862.00	.1003	.8250-01	.9740-01	.4923-02	.4040-02	.4040-02	.4040-02	3.031	21.23	595.5
212	.40000	.40000	863.00	.8670-01	.7120-01	.8410-01	.4248-02	.3488-02	.3488-02	.3488-02	2.622	19.65	593.9
212	.40000	.50000	864.00	.1276	.1049	.1234	.6250-02	.5137-02	.5137-02	.5137-02	3.682	25.61	590.0

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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CH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL11)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT/SEC	H(1TO) BTU/ R FT/SEC	H(TAN) BTU/ R FT/SEC	QDOT BTU/ FT/SEC	DTWDT DEG. R /SEC	TW DEG. R
212	.40000	.70000	865.00	.1496	.1228	.1449	.7324-02	.6015-02	.7094-02	4.526	29.82	593.1
212	.40000	.75000	866.00	.1412	.1161	.1373	.6913-02	.5683-02	.6724-02	4.297	31.20	589.5
212	.40000	.85000	867.00	.1364	.1125	.1319	.6680-02	.5507-02	.6607-02	4.219	31.30	579.6
212	.40000	.90000	868.00	.1158	.9550-01	.1155	.5670-02	.4225-02	.5705-02	3.596	30.31	576.8
212	.50000	.95000	869.00	.1045	.8630-01	.1039	.5118-02	.4225-02	.5186-02	3.262	26.03	573.8
212	.50000	.00000	871.00	.5376	.4256	.4536	.2633-01	.2084-01	.2207-01	13.46	102.9	700.1
212	.50000	.50000-01	872.00	.3613	.2917	.3332	.1769-01	.1429-01	.1627-01	9.995	72.92	646.8
212	.50000	.10000+00	873.00	.2192	.1739	.2033	.1074-01	.8760-02	.1020-01	6.404	45.92	614.6
212	.50000	.20000	874.00	.1445	.1184	.1333	.7074-02	.5797-02	.6822-02	4.322	30.20	600.2
212	.50000	.30000	875.00	.1218	.1000+00	.1178	.5967-02	.4895-02	.5768-02	3.667	25.67	596.6
212	.50000	.40000	876.00	.1104	.9060-01	.1036	.5406-02	.4437-02	.5232-02	3.331	23.34	594.9
212	.50000	.50000	877.00	.1058	.8690-01	.1025	.5179-02	.4254-02	.5015-02	3.203	21.76	592.8
212	.50000	.60000	878.00	.8240-01	.6900-01	.8030-01	.4033-02	.3330-02	.3919-02	2.569	19.78	574.1
212	.55000	.00000	879.00	.6160	.4683	.1333	.3017-01	.2293-01	.2450-01	12.87	98.28	784.7
212	.60000	.00000	880.00	.4466	.3505	.4718	.2187-01	.1716-01	.1821-01	10.74	91.51	720.2
212	.60000	.25000-01	881.00	.5034	.3998	.4472	.2465-01	.1958-01	.2190-01	12.80	91.51	691.8
212	.60000	.50000-01	882.00	.2895	.2325	.2635	.1418-01	.1139-01	.1305-01	7.776	71.06	662.7
212	.60000	.75000-01	883.00	.2939	.2374	.2757	.1439-01	.1163-01	.1355-01	8.144	57.54	645.2
212	.60000	.10000+00	884.00	.2240	.1824	.2137	.1097-01	.8931-02	.1047-02	6.463	44.69	622.0
212	.60000	.20000	885.00	.1555	.1273	.1533	.7615-02	.6272-02	.7358-02	4.619	32.21	604.6
212	.60000	.30000	886.00	.1536	.1257	.1435	.7524-02	.6157-02	.7270-02	4.560	29.86	605.1
212	.60000	.40000	887.00	.1168	.1134	.1417	.7189-02	.5865-02	.6939-02	4.367	29.52	603.7
212	.60000	.50000	888.00	.1383	.1134	.1339	.6772-02	.5552-02	.6557-02	25.85	25.07	593.6
212	.60000	.60000	889.00	.1258	.1033	.1219	.6162-02	.5060-02	.5971-02	3.805	20.07	580.1
212	.60000	.80000	891.00	.8910-01	.7340-01	.8810-01	.4361-02	.3595-02	.4314-02	2.732	20.07	576.9
212	.60000	.9680-01	892.00	.9680-01	.7990-01	.9630-01	.4742-02	.3912-02	.4712-02	3.008	21.61	572.2
212	.60000	.8600-01	893.00	.8600-01	.7110-01	.8670-01	.4213-02	.3480-02	.4248-02	2.692	20.07	567.0
212	.60000	.6980-01	894.00	.6980-01	.5770-01	.7070-01	.3416-02	.2225-02	.3461-02	2.200	16.14	567.0
212	.65000	.00000	895.00	.3174	.2538	.2631	.1554-01	.1243-01	.1313-01	8.349	67.13	674.0
212	.70000	.00000	896.00	.1605	.1300	.1359	.7857-02	.6364-02	.6704-02	4.508	55.41	637.5
212	.70000	.25000-01	897.00	.2322	.1867	.2032	.1137-01	.9242-02	.1020-01	6.646	59.22	626.6
212	.70000	.10000+00	898.00	.2191	.1785	.2035	.1073-01	.8740-02	.1021-01	6.348	42.57	619.5
212	.70000	.30000	899.00	.1864	.1524	.1734	.9127-02	.7464-02	.8787-02	5.512	33.75	607.2
212	.70000	.40000	900.00	.1538	.1260	.1439	.7533-02	.6172-02	.7290-02	4.598	27.66	600.8
212	.70000	.50000	901.00	.1521	.1246	.1472	.7449-02	.6104-02	.7209-02	4.549	28.15	600.5
212	.70000	.60000	902.00	.2192	.1794	.2123	.1074-01	.8786-02	.1040-01	6.510	43.21	604.8
212	.70000	.70000	903.00	.1672	.1377	.1683	.8190-02	.6741-02	.8241-02	5.126	36.09	587.2
212	.75000	.80000	904.00	.1805	.1483	.1557	.8838-02	.7263-02	.7626-02	5.486	42.85	590.4
212	.75000	.25000-01	905.00	.3762	.3023	.3345	.1842-01	.1481-01	.1638-01	10.15	76.31	660.0
212	.75000	.50000-01	906.00	.4147	.3353	.3855	.2031-01	.1642-01	.1868-01	11.55	81.69	642.5
212	.75000	.10000+00	907.00	.3804	.3075	.3614	.1863-01	.1506-01	.1770-01	10.57	70.07	643.7
212	.75000	.20000	908.00	.2091	.1708	.2014	.1024-01	.8362-02	.9861-02	6.138	41.32	611.6
212	.75000	.30000	909.00	.1388	.1139	.1341	.6797-02	.5576-02	.6567-02	4.176	25.89	596.8

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL11)

OH-49B (AEDC V41B-57A) OPBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (1AW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
212	.75000	.40000	910.00	.1280	.1050	.1237	.6270-02	.5140-02	.6060-02	3.841	24.49	598.5
212	.75000	.60000	911.00	.2293	.1877	.2221	.1123-01	.9193-02	.1088-01	6.826	44.74	603.2
212	.75000	.80000	912.00	.2118	.1736	.2093	.1037-01	.8499-02	.1025-01	6.338	50.86	600.0
212	.75000	.90000	913.00	.1957	.1529	.1868	.9093-02	.7488-02	.9146-02	5.707	40.87	583.5
212	.75000	.95000	914.00	.1401	.1154	.1418	.6861-02	.5653-02	.6944-02	4.321	32.03	581.4
212	.80000	.00000	915.00	.3590	.2877	.3038	.1758-01	.1409-01	.1488-01	9.540	83.32	668.5
212	.80000	.40000	916.00	.4855	.3919	.4667	.2377-01	.1319-01	.2285-01	13.359	88.59	647.8
212	.80000	.80000	917.00	.2171	.1772	.2094	.1063-01	.8677-02	.1025-01	6.354	44.12	613.4
212	.80000	.90000	918.00	.2001	.1644	.2011	.9798-02	.0050-02	.9849-02	6.071	43.30	591.5
212	.85000	.00000	919.00	.4073	.3270	.4365	.1994-01	.1601-01	.1690-01	10.93	82.01	663.2
212	.85000	.20000	920.00	.4550	.3678	.4729	.2228-01	.1801-01	.2138-01	12.65	86.56	643.4
212	.85000	.40000	921.00	.4919	.3964	.4729	.2409-01	.1941-01	.2315-01	13.46	94.76	652.4
212	.90000	.00000	922.00	.2309	.1883	.2574	.1131-01	.9220-02	.9458-02	6.722	51.59	616.7
212	.90000	.20000	923.00	.2692	.2203	.2674	.1318-01	.1079-01	.1261-01	7.992	57.58	604.9
212	.90000	.40000	924.00	.3795	.3075	.3533	.1858-01	.1506-01	.1779-01	10.68	73.32	636.5
212	.90000	.60000	925.00	.4362	.3527	.4189	.2136-01	.1727-01	.2052-01	12.14	83.10	642.8
212	.90000	.80000	926.00	.4119	.3336	.3967	.2017-01	.1633-01	.1943-01	11.56	79.31	638.0
212	.90000	.00000	927.00	.2971	.2424	.2930	.1455-01	.1187-01	.1435-01	8.681	65.52	614.6
212	.95000	.00000	928.00	.2364	.1935	.2381	.1158-01	.9477-02	.1166-01	7.038	54.37	603.1
212	.95000	.20000	929.00	.1247	.1030	.1080	.6108-02	.5042-02	.5288-02	3.888	28.44	574.5
212	.95000	.40000	930.00	.1814	.1492	.1701	.8885-02	.7304-02	.8328-02	5.523	38.80	589.6
212	.95000	.60000	931.00	.2026	.1663	.1528	.9921-02	.8145-02	.9441-02	6.123	44.35	594.0
212	.95000	.80000	932.00	.2847	.2326	.2737	.1394-01	.1139-01	.1340-01	8.364	56.32	611.3
212	.95000	.00000	933.00	.3687	.2990	.3548	.1805-01	.1464-01	.1737-01	10.43	71.76	633.1
212	.95000	.20000	934.00	.2981	.2427	.2673	.1460-01	.1189-01	.1409-01	8.606	61.50	621.7
212	.95000	.40000	935.00	.2356	.1928	.2298	.1154-01	.9440-02	.1125-01	6.985	51.16	605.8
212	.95000	.60000	936.00	.2292	.1880	.2277	.1123-01	.9205-02	.1115-01	6.882	49.75	598.1
212	.95000	.80000	937.00	.1685	.1386	.1695	.9249-02	.6787-02	.8301-02	5.154	38.11	586.4

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL12)

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BDFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
197	7.900	.5309	40.10	.0000	180.0	108.2	.1200-01	1269.	94.20	.5250	3756.	.1071-04
198	7.900	.5274	40.10	.0000	180.0	107.7	.1200-01	1271.	94.30	.5230	3759.	.1065-04

RUN NUMBER	MU	HREF BTU/ R F12SEC	ST FR R =
197	.7580-07	.1773-01	0.0175
198	.7590-07	.1769-01	.5573-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R F12SEC	H(TO) BTU/ R F12SEC	H(TAN) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTWOT DEG. R /SEC	TW DEG. R
198	.30000	.00000	845.00	.4280-01	.3540-01	.3840-01	.7575-03	.6269-03	.6799-03	.4620	5.178	533.5
198	.30000	.50000-01	846.00	.1499	.1237	.1352	.2652-02	.2187-02	.2392-02	1.586	17.64	546.1
198	.30000	.10000+00	847.00	.1430	.1180	.1297	.2530-02	.2088-02	.2294-02	1.517	12.99	544.4
198	.30000	.20300	848.00	.1261	.1042	.1154	.2231-02	.1842-02	.2041-02	1.344	9.670	541.6
198	.30000	.40000	850.00	.8330-01	.6870-01	.7670-01	.1473-02	.1216-02	.1358-02	.8840	6.352	544.0
198	.30000	.50000	851.00	.6690-01	.5520-01	.6120-01	.1184-02	.972-03	.1099-02	.7100	5.275	544.1
198	.30000	.60000	852.00	.6530-01	.5390-01	.6060-01	.1156-02	.9538-03	.1072-02	.6950	5.161	542.9
198	.30000	.70000	853.00	.5920-01	.4990-01	.5100-01	.1047-02	.8644-03	.9732-03	.6300	4.536	541.8
198	.30000	.80000	854.00	.5860-01	.4840-01	.5482-01	.1037-02	.8565-03	.9692-03	.6250	4.652	540.8
198	.30000	.90000	855.00	.3060-01	.3200-01	.3090-01	.6832-03	.5657-03	.6535-03	.4180	3.074	531.7
198	.30000	.95000	856.00	.4450-01	.3690-01	.4100-01	.7870-03	.6520-03	.7604-03	.4830	3.499	529.8
198	.30000	.00000	857.00	.1047	.8650-01	.5150-01	.1851-02	.1529-02	.1650-02	.1117	9.589	540.6
198	.40000	.00000	858.00	.1692	.1393	.1514	.2994-02	.2465-02	.2679-02	1.773	17.89	551.7
198	.40000	.50000-01	859.00	.3427	.2819	.3034	.6061-02	.4986-02	.5366-02	3.573	25.55	554.4
196	.40000	.10000+00	860.00	.2416	.1990	.2417	.4273-02	.3520-02	.3868-02	2.540	18.21	549.4
198	.40000	.20000	861.00	.1444	.1191	.1332	.2554-02	.2106-02	.2356-02	1.527	11.33	546.1
198	.40000	.30000	862.00	.1206	.9950-01	.1119	.2133-02	.1759-02	.1979-02	1.278	9.180	544.8
198	.40000	.40000	863.00	.9850-01	.8130-01	.9150-01	.1743-02	.1438-02	.1618-02	1.046	8.033	543.9
198	.40000	.50000	864.00	.8220-01	.6790-01	.7620-01	.1454-02	.1201-02	.1347-02	.8780	5.940	540.1

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (-AW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
198	40000	.70000	865.00	.8840-01	.7300-01	.8210-01	.1564-02	.1292-02	.1452-02	.9440	6.384	540.4
198	40000	.75000	866.00	.7640-01	.6310-01	.7200-01	.1351-02	.1116-02	.1259-02	.8170	6.024	538.9
198	40000	.85000	867.00	.6670-01	.5520-01	.6310-01	.1179-02	.9755-03	.1117-02	.7180	5.448	533.0
198	40000	.90000	869.00	.5850-01	.4840-01	.5840-01	.1035-02	.8565-03	.9974-03	.6320	5.448	531.0
198	40000	.95000	869.00	.4730-01	.3920-01	.4600-01	.8373-03	.6935-03	.8133-03	.5130	4.185	567.3
198	50000	.00000	871.00	.4776	.3913	.4261	.8448-02	.6922-02	.7538-02	4.872	39.73	554.3
198	50000	.50000-01	872.00	.3539	.2911	.348	.8260-02	.5150-02	.5569-02	3.591	28.21	545.4
198	50000	.10000+00	873.00	.2209	.1822	.2017	.3908-02	.3223-02	.3567-02	2.539	17.36	542.6
198	50000	.20000	874.00	.1488	.1229	.1376	.2633-02	.2173-02	.2434-02	1.583	11.38	541.5
198	50000	.30000	875.00	.1151	.9510-01	.1067	.2036-02	.1681-02	.1887-02	1.227	7.667	541.6
198	50000	.40000	876.00	.1000+00	.8260-01	.9263-01	.1769-02	.1461-02	.1841-02	1.066	6.480	540.1
198	50000	.50000	877.00	.8700-01	.7190-01	.8080-01	.1538-02	.1271-02	.1429-02	.9290	4.732	531.7
198	50000	.60000	878.00	.5550-01	.4600-01	.5700-01	.9824-03	.8135-03	.9149-03	.6020	5.43	597.6
198	55000	.00000	879.00	.6255	.5074	.5348	.1106-01	.8975-02	.9813-02	6.044	50.43	592.4
198	60000	.00000	880.00	.5646	.4589	.5013	.9987-02	.8116-02	.8667-02	5.508	49.91	578.1
198	60000	.25000-01	881.00	.6904	.5638	.5989	.1221-01	.3972-02	.1059-01	6.910	52.19	565.3
198	60000	.50000-01	882.00	.3769	.3090	.3353	.6566-02	.5465-02	.5934-02	3.857	36.96	558.2
198	60000	.75000-01	883.00	.3820	.3133	.3463	.6757-02	.5552-02	.6125-02	3.958	29.18	547.9
198	60000	.10000+00	884.00	.2926	.2411	.2681	.5175-02	.4265-02	.4742-02	3.084	22.12	541.8
198	60000	.20000	885.00	.1797	.1484	.1665	.3178-02	.2624-02	.2945-02	1.914	13.77	541.2
198	60000	.30000	886.00	.1590	.1313	.1474	.2813-02	.2323-02	.2607-02	1.696	11.46	540.6
198	60000	.40000	887.00	.1388	.1147	.1285	.2456-02	.2028-02	.2274-02	1.482	10.33	539.3
198	60000	.50000	888.00	.1217	.1005	.1123	.2152-02	.1728-02	.1958-02	1.301	9.081	537.8
198	60000	.60000	889.00	.1090	.9010-01	.1013	.1928-02	.1594-02	.1791-02	1.169	8.163	533.6
198	60000	.70000	891.00	.7110-01	.5890-01	.6740-01	.1258-02	.1041-02	.1192-02	.7680	5.732	532.4
198	60000	.80000	892.00	.8160-01	.6750-01	.7160-01	.1443-02	.1194-02	.1373-02	.8820	6.483	530.0
198	60000	.90000	893.00	.7060-01	.5850-01	.6820-01	.1248-02	.1034-02	.1236-02	.7660	5.829	527.7
198	60000	.95000	894.00	.5510-01	.4570-01	.5150-01	.9747-03	.6081-03	.9470-03	.6010	4.574	568.2
198	65000	.00000	895.00	.3573	.2927	.387	.6319-02	.5177-02	.5637-02	3.639	30.80	550.9
198	70000	.05000	896.00	.1553	.1279	.1390	.2747-02	.2262-02	.2458-02	1.659	21.27	548.2
198	70000	.25000-01	897.00	.2421	.1995	.209	.4262-02	.3529-02	.3750-02	2.551	23.63	544.4
198	70000	.10000+00	898.00	.2587	.2134	.2167	.4576-02	.3776-02	.4187-02	2.743	19.10	540.5
198	70000	.20000	899.00	.2086	.1723	.1977	.3683-02	.3047-02	.3409-02	2.226	13.80	537.6
198	70000	.30000	900.00	.1699	.1405	.1577	.3005-02	.2484-02	.2790-02	1.822	11.31	537.0
198	70000	.40000	901.00	.1498	.1239	.1391	.2650-02	.2191-02	.2460-02	1.608	10.27	536.6
198	70000	.50000	902.00	.1334	.1103	.1239	.2359-02	.1951-02	.2152-02	1.433	9.153	529.7
198	70000	.60000	903.00	.8100-01	.6710-01	.7310-01	.1433-02	.1187-02	.1391-02	.820	6.371	527.1
198	75000	.00000	904.00	.7420-01	.6150-01	.6670-01	.1312-02	.1088-02	.1179-02	.8090	6.496	555.8
198	75000	.25000-01	905.00	.3281	.2698	.2949	.5804-02	.4773-02	.5040-02	3.414	27.00	547.8
198	75000	.50000-01	906.00	.3451	.2844	.3199	.6104-02	.5031-02	.5482-02	3.639	26.97	545.6
198	75000	.75000	907.00	.2915	.2404	.2656	.5156-02	.4252-02	.4716-02	3.085	21.46	540.7
198	75000	.00000+00	908.00	.1999	.1651	.1848	.3537-02	.2921-02	.3269-02	2.133	14.88	540.7
198	75000	.30000	909.00	.1696	.1402	.1572	.3000-02	.2481-02	.2780-02	1.823	11.65	536.3

AEDC VKF V41B-57A (OH-498) COLLAT ON DECK

DATE 25 AUG 76

OH-498 (AEDC V41B-57A) OPBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(GTO) BTU/ R FT/SEC	H(UTO) BTU/ R FT/SEC	H(TAW) BTU/ R FT/SEC	QDOT BTU/ FT/SEC	DTMDT DEG. R /SEC	TW DEG. R
198	75000	40000	910.00	1475	1220	1368	2610-02	2158-02	2420-02	1.586	10.43	536.4
198	75000	60000	911.00	1378	1140	1281	2438-02	2017-02	2266-02	1.486	10.08	534.2
198	75000	80000	912.00	9340-01	7730-01	8340-01	1652-02	1367-02	1564-02	1.010	8.388	532.1
198	75000	90000	913.00	8400-01	6960-01	8090-01	1485-02	1231-02	1432-02	.9150	6.734	528.3
198	75000	95000	914.00	6480-01	5370-01	6390-01	1146-02	9503-03	1112-02	.7070	5.387	526.9
198	80000	100000	915.00	2642	2173	2363	4673-02	3844-02	4179-02	2.753	25.41	554.9
198	80000	20000	916.00	1934	1598	1789	3421-02	2227-02	3165-02	2.071	14.46	538.7
198	80000	40000	917.00	1542	1275	1428	2728-02	2256-02	2527-02	1.656	11.94	536.9
198	80000	60000	918.00	8800-01	7300-01	8480-01	1557-02	1291-02	1500-02	.9580	7.049	528.9
198	85000	80000	919.00	3030	2494	2711	5359-02	4411-02	4794-02	3.171	25.13	552.2
198	85000	100000	920.00	2139	1768	1975	3783-02	3128-02	3473-02	2.294	16.54	537.7
198	85000	40000	921.00	1635	1393	1559	2981-02	2464-02	2758-02	1.806	13.45	538.1
198	90000	100000	922.00	1742	1438	1561	3081-02	2544-02	2761-02	1.856	14.79	541.4
198	90000	100000	923.00	2401	1984	2205	4246-02	3509-02	3900-02	2.570	19.13	538.7
198	90000	30000	924.00	2122	1754	1955	3754-02	3102-02	3458-02	2.269	16.35	539.4
198	90000	50000	925.00	1930	1595	1783	3413-02	2820-02	3154-02	2.054	14.87	539.2
198	90000	80000	926.00	1651	1373	1539	2938-02	2429-02	2722-02	1.783	12.86	537.2
198	90000	100000	927.00	1225	1015	1159	2167-02	1795-02	2049-02	1.328	10.45	531.0
198	90000	90000	928.00	8770-01	7270-01	8470-01	1551-02	1285-02	1497-02	.9530	7.642	529.4
198	95000	100000	929.00	9390-01	7780-01	8440-01	1661-02	1377-02	1492-02	1.021	7.639	529.3
198	95000	50000-01	930.00	1452	1201	1309	2568-02	2125-02	2316-02	1.566	11.31	534.0
198	95000	100000	931.00	1653	1367	1511	2924-02	2418-02	2673-02	1.775	13.23	536.9
198	95000	20000	932.00	1889	1561	1743	3340-02	2761-02	3083-02	2.024	14.14	537.9
198	95000	30000	933.00	1907	1576	1764	3373-02	2788-02	3121-02	2.043	14.72	538.4
198	95000	50000	934.00	1404	1161	1302	2483-02	2054-02	2303-02	1.513	11.29	534.7
198	95000	70000	935.00	1202	9960-01	1125	2127-02	1761-02	1930-02	1.301	9.887	532.1
198	95000	80000	936.00	1216	1007	1157	2151-02	1782-02	2047-02	1.320	9.876	530.0
198	95000	90000	937.00	8250-01	6840-01	7360-01	1460-02	1211-02	1408-02	.9000	6.857	527.3

C

E

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BDFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
203	7.940	.9997	40.05	.0000	180.0	203.0	.2200-01	1279.	94.00	.9920	3772.	.2005-04
204	7.940	1.003	40.07	.0000	180.0	203.2	.2200-01	1277.	93.90	.9930	3770.	.2011-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R F12SEC	ST FR R =
203	.7569-07	.2439-01	0.0175
204	.7558-07	.2440-01	.4058-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C JO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(1AW) BTU/ R F12SEC	QDOT BTU/ R F12SEC	DTWDT DEG. R /SEC	TW DEG. R
204	.30000	.00000	845.00	.4190-01	.3460-01	.3760-01	.1021-02	.8451-03	.9164-03	.6260	6.997	536.9
204	.30000	.50000-01	846.00	.1458	.1200	.1313	.3556-02	.2927-02	.3204-02	2.114	23.41	555.2
204	.30000	.10000+00	847.00	.1305	.1076	.1183	.3185-02	.2624-02	.2885-02	1.905	16.26	551.6
204	.30000	.20000	848.00	.1272	.1049	.1163	.3104-02	.2560-02	.2838-02	1.867	13.38	548.3
204	.30000	.40000	850.00	.7820-01	.6450-01	.7210-01	.1928-02	.1573-02	.1758-02	1.141	8.168	551.8
204	.30000	.50000	851.00	.6440-01	.5300-01	.5370-01	.1570-02	.1293-02	.1457-02	.9370	6.930	552.7
204	.30000	.60000	852.00	.6170-01	.5080-01	.5720-01	.1505-02	.1240-02	.1396-02	.9000	6.657	551.8
204	.30000	.70000	853.00	.5820-01	.4680-01	.5270-01	.1385-02	.1141-02	.1297-02	.8300	5.941	550.8
204	.30000	.80000	854.00	.5630-01	.4350-01	.5000-01	.1437-02	.1184-02	.1342-02	.8620	6.381	549.9
204	.30000	.90000	855.00	.3950-01	.3270-01	.3780-01	.9635-03	.7969-03	.9215-03	.5890	4.311	538.2
204	.30000	.95000	856.00	.4590-01	.3800-01	.4430-01	.1119-02	.9262-03	.1081-02	.6860	4.945	537.2
204	.30000	.00000	857.00	.8930-01	.7370-01	.8000-01	.2179-02	.1788-02	.1952-02	1.313	11.23	547.1
204	.40000	.00000	858.00	.1656	.1368	.1488	.4064-02	.3338-02	.3631-02	2.389	23.97	561.9
204	.40000	.50000-01	859.00	.3407	.2734	.3011	.8312-02	.6817-02	.7345-02	4.843	34.40	567.1
204	.40000	.10000+00	860.00	.2427	.1934	.2194	.5920-02	.4865-02	.5353-02	3.487	24.85	560.8
204	.40000	.20000	861.00	.1429	.1176	.1317	.3486-02	.2868-02	.3212-02	2.068	15.26	556.3
204	.40000	.30000	862.00	.1172	.9650-01	.1087	.2860-02	.2354-02	.2652-02	1.701	12.16	555.0
204	.40000	.40000	863.00	.9990-01	.8230-01	.9370-01	.2437-02	.2007-02	.2261-02	1.453	11.11	553.5
204	.40000	.60000	864.00	.9080-01	.7490-01	.8110-01	.2216-02	.1827-02	.2051-02	1.331	8.963	549.0

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AEDC VKF V418-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V418-57A) ORBITER LOWER WING

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(RVIL12)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF ("AM)	H(19T) BTU/ R FT/SEC	H(10) BTU/ R FT/SEC	H(1AN) BTU/ R FT/SEC	QDOT BTU/ R FT/SEC	DTWOT /SEC	TH DEG. R
204	.40000	.70000	865.00	.9220-01	.7600-01	.8550-01	.2249-01	.1854-02	.2086-02	1.350	9.087	549.5
204	.40000	.75000	866.00	.7920-01	.6540-01	.7380-01	.1933-02	.1595-02	.1801-02	1.163	8.002	547.9
204	.40000	.85000	867.00	.7170-01	.5920-01	.6790-01	.1749-02	.1445-02	.1656-02	1.060	8.002	544.0
204	.40000	.90000	868.00	.6060-01	.5010-01	.5840-01	.1478-02	.1221-02	.1424-02	.8980	7.698	542.4
204	.40000	.95000	869.00	.4980-01	.4120-01	.4840-01	.1215-02	.1004-02	.1180-02	.7410	6.011	540.1
204	.50000	.00000	871.00	.4843	.3951	.4309	.1182-01	.9638-02	.1051-01	6.680	54.01	584.4
204	.50000	.50000-01	872.00	.3513	.2880	.319	.8571-02	.7026-02	.7609-02	4.981	37.79	588.6
204	.50000	.10000+00	873.00	.2164	.1780	.1973	.5279-02	.4343-02	.4814-02	3.128	23.07	557.3
204	.50000	.20000	874.00	.1479	.1218	.1366	.3608-02	.2971-02	.3333-02	2.149	15.36	554.2
204	.50000	.30000	875.00	.1163	.9580-01	.1077	.2837-02	.2337-02	.2627-02	1.695	12.13	552.5
204	.50000	.40000	876.00	.9940-01	.8190-01	.9213-01	.2420-02	.1999-02	.2247-02	1.451	10.39	551.4
204	.50000	.60000	877.00	.8980-01	.7400-01	.8730-01	.2193-02	.1805-02	.2032-02	1.314	9.121	549.7
204	.50000	.90000	878.00	.5490-01	.4540-01	.5110-01	.1339-02	.1107-02	.1246-02	.8150	6.377	541.3
204	.55000	.00000	379.00	.6186	.4975	.5157	.1509-01	.1214-01	.1331-01	7.919	65.19	625.0
204	.60000	.00000	880.00	.5289	.4585	.5025	.1388-01	.1119-01	.1226-01	7.362	65.83	619.4
204	.60000	.25000-01	881.00	.6875	.5576	.5935	.1677-01	.1360-01	.1448-01	9.200	68.69	601.2
204	.60000	.50000-01	882.00	.3799	.3099	.3376	.9268-02	.7560-02	.8225-02	5.240	49.74	584.3
204	.60000	.75000-01	883.00	.3991	.3184	.3520	.9493-02	.7768-02	.8597-02	5.461	39.94	574.5
204	.60000	.10000+00	884.00	.2867	.2356	.2623	.6993-02	.5747-02	.6400-02	4.117	29.34	561.0
204	.60000	.20000	885.00	.1781	.1467	.1649	.4345-02	.3579-02	.4023-02	2.595	18.57	552.5
204	.60000	.30000	886.00	.1546	.1273	.1431	.3772-02	.3105-02	.3492-02	2.245	15.07	554.7
204	.60000	.40000	887.00	.1336	.1100	.1235	.3259-02	.2684-02	.3014-02	1.945	13.48	553.0
204	.60000	.50000	888.00	.1215	.1001	.1127	.2855-02	.2443-02	.2750-02	1.774	12.31	551.3
204	.60000	.60000	889.00	.1093	.9610-01	.1015	.2657-02	.2199-02	.2476-02	1.672	11.12	549.1
204	.60000	.80000	891.00	.7220-01	.5970-01	.6840-01	.1762-02	.1455-02	.1659-02	1.068	7.931	543.8
204	.60000	.90000	892.00	.8410-01	.6950-01	.8000-01	.2052-02	.1695-02	.1952-02	1.248	9.126	541.5
204	.60000	.00000	893.00	.7180-01	.5940-01	.6930-01	.1751-02	.1448-02	.1691-02	1.070	6.101	538.7
204	.60000	.95000	894.00	.5460-01	.4513-01	.5300-01	.1331-02	.1101-02	.1293-02	.8160	6.183	536.8
204	.65000	.00000	895.00	.3551	.2895	.3159	.8664-02	.7063-02	.7706-02	4.881	40.95	586.4
204	.70000	.00000	896.00	.1522	.1250	.1360	.3714-02	.3049-02	.3317-02	2.177	28.24	563.7
204	.70000	.25000-01	897.00	.2450	.2013	.2330	.5977-02	.4911-02	.5195-02	3.519	32.39	561.0
204	.70000	.10000+00	898.00	.2575	.2118	.2353	.6281-02	.5169-02	.5739-02	3.724	25.76	556.9
204	.70000	.20000	899.00	.2154	.1775	.1933	.5254-02	.4331-02	.4851-02	3.150	19.43	550.2
204	.70000	.30000	900.00	.1699	.1401	.1576	.4145-02	.3418-02	.3745-02	2.490	15.37	549.0
204	.70000	.40000	901.00	.1478	.1219	.1371	.3607-02	.2974-02	.3345-02	2.165	13.75	549.3
204	.70000	.60000	902.00	.1358	.1120	.1261	.3313-02	.2732-02	.3076-02	1.990	12.63	545.2
204	.70000	.80000	903.00	.8200-01	.6790-01	.7910-01	.2032-02	.1655-02	.1929-02	1.232	8.804	539.2
204	.75000	.00000	904.00	.5530-01	.4560-01	.5050-01	.1373-02	.1138-02	.1233-02	.8490	6.801	531.1
204	.75000	.25000-01	905.00	.3262	.2672	.2824	.7958-02	.6518-02	.7457-02	4.600	36.10	571.7
204	.75000	.50000-01	906.00	.3403	.2801	.3057	.8318-02	.6833-02	.7457-02	4.891	36.00	561.7
204	.75000	.10000+00	907.00	.2920	.2401	.2687	.7124-02	.5857-02	.6507-02	4.208	29.07	559.1
204	.75000	.20000	908.00	.1990	.1640	.1838	.4855-02	.4001-02	.4485-02	2.906	20.16	551.2
204	.75000	.30000	909.00	.1695	.1398	.1570	.4135-02	.3411-02	.3829-02	2.490	15.82	547.6

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(RVIL12)

AEDC VKF V41B-57A (OH-49B) COLLAT ON DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF ("AW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AW) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
204	.75000	.40000	910.00	.1472	.1214	.1363	.3590-02	.2961-02	.3326-02	2.160	14.12	548.1
204	.75000	.60000	911.00	.1309	.1080	.1215	.3193-02	.2634-02	.2964-02	2.160	12.97	547.1
204	.75000	.80000	912.00	.9550-01	.7880-01	.9030-01	.2329-02	.1923-02	.2204-02	1.409	11.62	544.6
204	.75000	.90000	913.00	.8420-01	.6960-01	.810-01	.2054-02	.1699-02	.1979-02	1.256	9.204	538.0
204	.75000	.95000	914.00	.6020-01	.4990-01	.5840-01	.1469-02	.1215-02	.1424-02	.9000	6.822	536.8
204	.80000	.00000	915.00	.2626	.2151	.2342	.6406-02	.5247-02	.5714-02	3.706	33.94	571.2
204	.80000	.20000	916.00	.2062	.1699	.1906	.5032-02	.4145-02	.4649-02	3.006	20.84	552.3
204	.80000	.40000	917.00	.1524	.1257	.1410	.3718-02	.3066-02	.3440-02	2.233	16.00	549.3
204	.80000	.60000	918.00	.9140-01	.7560-01	.8800-01	.2230-02	.1844-02	.2147-02	1.360	9.960	539.6
204	.85000	.00000	919.00	.2962	.2429	.2644	.7226-02	.5926-02	.6450-02	4.208	33.09	567.4
204	.85000	.20000	920.00	.2031	.1674	.1873	.4955-02	.4083-02	.4569-02	2.964	21.22	551.7
204	.85000	.40000	921.00	.1664	.1372	.1538	.4060-02	.3348-02	.3752-02	2.438	18.06	549.1
204	.90000	.00000	922.00	.1728	.1425	.1547	.4216-02	.3475-02	.3775-02	2.528	20.05	550.2
204	.90000	.20000	923.00	.2205	.1817	.2023	.5379-02	.4433-02	.4934-02	3.222	23.84	550.8
204	.90000	.40000	924.00	.2138	.1761	.1967	.5215-02	.4297-02	.4798-02	3.118	22.32	551.7
204	.90000	.60000	925.00	.1936	.1596	.1787	.4722-02	.3893-02	.4360-02	2.833	20.30	549.7
204	.90000	.80000	926.00	.1675	.1381	.1550	.4086-02	.3370-02	.3781-02	2.457	17.62	548.3
204	.90000	.00000	927.00	.1164	.0920-01	.1000	.2840-02	.2346-02	.2683-02	1.724	13.49	542.6
204	.90000	.20000	928.00	.9060-01	.7490-01	.8740-01	.2211-02	.1828-02	.2133-02	1.349	10.76	539.3
204	.95000	.00000	929.00	.9260-01	.7670-01	.8310-01	.2259-02	.1870-02	.2028-02	1.388	10.36	535.2
204	.95000	.20000	930.00	.1450	.1198	.1306	.3537-02	.2922-02	.3187-02	2.145	15.42	543.3
204	.95000	.40000	931.00	.1644	.1357	.1502	.4011-02	.3311-02	.3684-02	2.422	17.97	546.0
204	.95000	.60000	932.00	.1923	.1587	.1774	.4692-02	.3871-02	.4329-02	2.825	19.63	547.7
204	.95000	.80000	933.00	.1838	.1557	.1745	.4607-02	.3799-02	.4258-02	2.768	19.84	549.0
204	.95000	.00000	934.00	.1374	.1134	.1274	.3353-02	.2767-02	.3107-02	2.022	15.00	546.6
204	.95000	.20000	935.00	.1230	.1015	.1149	.3000-02	.2477-02	.2804-02	1.815	13.70	544.9
204	.95000	.40000	936.00	.1239	.1024	.1178	.3022-02	.2497-02	.2874-02	1.838	13.67	541.4
204	.95000	.60000	937.00	.8290-01	.6660-01	.7990-01	.2022-02	.1673-02	.1949-02	1.240	9.396	536.7

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L12)

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
207	7.980	1.969	40.12	.0000	180.0	427.3	.4400-01	1300.	94.70	1.983	3804.	.3943-04
208	7.980	1.987	40.06	.0000	180.0	427.5	.4500-01	1292.	94.10	1.984	3793.	.3969-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
207	.7620-07	.3458-01	0.0175
208	.7575-07	.3456-01	.2903-01 .2092-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTAOT DEG. R /SEC	TW DEG. R
208	.30000	.00000	845.00	.4320-01	.3580-01	.3880-01	.1493-02	.1235-02	.1340-02	.9280	10.32	542.8
208	.30000	.50000-01	846.00	.1410	.1157	.1268	.4873-02	.3998-02	.4383-02	2.875	31.56	573.1
208	.30000	.10000+00	847.00	.1197	.9840-01	.1084	.4138-02	.3401-02	.3744-02	2.470	20.94	566.0
208	.30000	.20000	848.00	.1224	.1007	.1118	.4229-02	.3481-02	.3864-02	2.546	18.14	560.9
208	.30000	.40000	850.00	.6950-01	.5710-01	.6390-01	.2401-02	.1973-02	.2209-02	1.430	10.15	567.7
208	.30000	.50000	851.00	.6610-01	.5420-01	.6120-01	.2283-02	.1875-02	.2115-02	1.354	9.926	569.9
208	.30000	.60000	852.00	.7690-01	.6310-01	.7120-01	.2657-02	.2181-02	.2461-02	1.575	11.54	570.4
208	.30000	.80000	854.00	.1116	.9160-01	.1041	.3856-02	.3166-02	.3597-02	2.288	16.77	569.8
208	.30000	.90000	855.00	.7350-01	.6070-01	.7030-01	.2540-02	.2097-02	.2428-02	1.554	11.31	551.3
208	.30000	.95000	856.00	.7510-01	.6200-01	.7250-01	.2594-02	.2143-02	.2505-02	1.594	11.43	548.6
208	.35000	.00000	857.00	.6280-01	.5180-01	.5520-01	.2171-02	.1789-02	.1943-02	1.316	11.20	557.0
208	.40000	.00000	858.00	.1544	.1346	.1466	.5682-02	.4650-02	.5065-02	3.308	32.89	580.8
208	.40000	.50000-01	859.00	.3329	.2716	.2931	.6222-02	.4650-02	.5065-02	3.308	32.89	580.8
208	.40000	.10000+00	860.00	.2379	.1947	.2146	.6222-02	.4650-02	.5065-02	3.308	32.89	580.8
208	.40000	.20000	861.00	.1425	.1169	.1311	.4923-02	.4036-02	.4530-02	2.502	21.23	573.8
208	.40000	.30000	862.00	.1185	.9720-01	.1097	.4095-02	.3359-02	.3792-02	2.416	17.11	573.2
208	.40000	.40000	863.00	.1031	.8460-01	.5550-01	.3563-02	.2922-02	.3300-02	2.101	15.90	573.5
208	.40000	.50000	864.00	.1132	.9300-01	.1046	.3912-02	.3213-02	.3616-02	2.323	15.49	569.3
208	.40000	.60000	865.00	.1304	.1071	.1208	.4507-02	.3702-02	.4175-02	2.678	17.85	569.0

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:EDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL12)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	F/HREF (TAN)	H(OTO) BTU/ R F12SEC	H(OTO) BTU/ R F12SEC	H(TAN) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTWOT DEG. R /SEC	TM DEG. R
208	40000	75000	866.00	.1212	.9970-01	.1128	.4190-02	.3444-02	.3898-02	2.501	18.37	566.2
208	40000	85000	867.00	.1133	.9340-01	.1072	.3916-02	.3227-02	.3706-02	2.371	17.78	557.7
208	40000	90000	868.00	.9720-01	.8020-01	.9370-01	.3360-02	.2771-02	.3237-02	2.043	17.41	555.0
208	40000	95000	869.00	.8480-01	.7000-01	.8230-01	.2930-02	.2419-02	.2845-02	1.787	14.40	553.5
208	50000	00000	871.00	.4736	.3835	.4195	.1637-01	.1325-01	.1450-01	8.996	71.72	613.4
208	50000	50000-01	872.00	.3398	.2768	.3005	.1174-01	.9584-02	.1038-01	6.660	49.85	596.0
208	50000	10000+00	873.00	.2178	.1783	.1981	.7525-02	.6182-02	.6846-02	4.394	32.07	579.1
208	50000	20000	874.00	.1475	.1211	.1361	.5099-02	.4184-02	.4703-02	3.015	21.37	571.7
208	50000	30000	875.00	.1179	.9690-01	.1091	.4076-02	.347-02	.3769-02	2.419	17.16	569.6
208	50000	40000	876.00	.1007	.8260-01	.9320-01	.3478-02	.2854-02	.3219-02	2.060	14.61	570.8
208	50000	50000	877.00	.9490-01	.7800-01	.8800-01	.3280-02	.2694-02	.3040-02	1.948	13.39	569.2
208	50000	60000	878.00	.7750-01	.6400-01	.7210-01	.2679-02	.2210-02	.2491-02	1.632	12.69	554.0
208	50000	70000	879.00	.6049	.4800	.5233	.2090-01	.1659-01	.1829-01	10.38	83.72	666.7
208	50000	80000	880.00	.5709	.4542	.5003	.1973-01	.1569-01	.1729-01	9.924	87.02	660.1
208	60000	25000-01	881.00	.6865	.5509	.5882	.2372-01	.1904-01	.2033-01	12.46	91.38	637.9
208	60000	50000-01	882.00	.3843	.3109	.3393	.1328-01	.1074-01	.1173-01	7.266	67.91	615.9
208	60000	75000-01	883.00	.3796	.3084	.3422	.1312-01	.1066-01	.1182-01	7.345	52.96	603.2
208	60000	10000+00	884.00	.2653	.2331	.2604	.9860-02	.8055-02	.8998-02	5.686	40.01	586.4
208	60000	20000	885.00	.1792	.1469	.1656	.6191-02	.5076-02	.5721-02	3.643	25.78	574.7
208	60000	30000	886.00	.1573	.1290	.1433	.5435-02	.4456-02	.5022-02	3.199	21.27	574.4
208	60000	40000	887.00	.1394	.1144	.1287	.4817-02	.3952-02	.4448-02	2.842	19.50	573.1
208	60000	50000	888.00	.1246	.1023	.1154	.4307-02	.3536-02	.3989-02	2.554	17.55	570.1
208	60000	60000	889.00	.1176	.9560-01	.1090	.4084-02	.3340-02	.3767-02	2.423	16.67	567.0
208	60000	80000	891.00	.9220-01	.7500-01	.8730-01	.3187-02	.2626-02	.3016-02	1.925	14.19	559.0
208	60000	85000	892.00	.1035	.8530-01	.9840-01	.3576-02	.2948-02	.3400-02	2.170	15.76	556.1
208	60000	90000	893.00	.8770-01	.7240-01	.8470-01	.3031-02	.2502-02	.2927-02	1.854	13.95	551.5
208	60000	95000	894.00	.6810-01	.5630-01	.6620-01	.2354-02	.1946-02	.2286-02	1.451	10.94	546.7
208	65000	00000	895.00	.3503	.2837	.3104	.1211-01	.9805-02	.1073-01	6.667	55.22	612.4
208	70000	00000	896.00	.1538	.1258	.1371	.5315-02	.4347-02	.4736-02	3.085	39.66	582.6
208	70000	25000-01	897.00	.2449	.2005	.2123	.8462-02	.6927-02	.7336-02	4.937	45.01	579.7
208	70000	10000+00	898.00	.2558	.2096	.2333	.8940-02	.7242-02	.8061-02	5.179	35.46	577.2
208	70000	20000	899.00	.2050	.1682	.1889	.7095-02	.5813-02	.6528-02	4.183	25.51	572.8
208	70000	30000	900.00	.1678	.1378	.1554	.5800-02	.4763-02	.5370-02	3.441	21.02	569.8
208	70000	40000	901.00	.1530	.1257	.1417	.5288-02	.4343-02	.4896-02	3.140	19.73	569.4
208	70000	50000	902.00	.1398	.1149	.1296	.4833-02	.3971-02	.4480-02	2.879	18.11	567.4
208	70000	60000	903.00	.1046	.8630-01	.1007	.3613-02	.2981-02	.3461-02	2.203	15.76	553.3
208	70000	70000	904.00	.1401	.1159	.1257	.4841-02	.4005-02	.4344-02	2.998	23.86	543.7
208	75000	00000	905.00	.3218	.2622	.2775	.1112-01	.9061-02	.9591-02	6.324	49.07	594.4
208	75000	50000-01	906.00	.3363	.2751	.3007	.1162-01	.9506-02	.1039-01	6.750	49.18	582.2
208	75000	10000+00	907.00	.2919	.2389	.2660	.1009-01	.8255-02	.9193-02	5.877	40.17	580.4
208	75000	20000	908.00	.2002	.1642	.1846	.6918-02	.5676-02	.6378-02	4.084	28.03	572.7
208	75000	30000	909.00	.1658	.1362	.1533	.5729-02	.4706-02	.5296-02	3.408	21.43	568.2
208	75000	40000	910.00	.1416	.1162	.1309	.4892-02	.4017-02	.4523-02	2.903	18.78	569.7

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL12)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1STO BTU/R FT2SEC	H1TO BTU/R FT2SEC	H1TAW BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
208	.75000	.60000	911.00	.1320	.1085	.1224	.4561-02	.3750-02	.4229-02	2.725	18.20	565.6
208	.75000	.80000	912.00	.1175	.9670-01	.1111	.4060-02	.3343-02	.3839-02	2.446	20.01	560.7
208	.75000	.90000	913.00	.1085	.8960-01	.1045	.3750-02	.3097-02	.3611-02	2.299	16.74	549.9
208	.75000	.95000	914.00	.7690-01	.6350-01	.7450-01	.2657-02	.2195-02	.2576-02	1.633	12.30	548.7
208	.80000	.00000	915.00	.2613	.2130	.2324	.9030-02	.7360-02	.8031-02	5.144	46.59	593.5
208	.60000	.20000	916.00	.2082	.1709	.1931	.7193-02	.5905-02	.6637-02	4.266	29.31	570.1
208	.80000	.40000	917.00	.1518	.1245	.1401	.5244-02	.4303-02	.4842-02	3.098	21.95	572.4
208	.80000	.90000	918.00	.1083	.8940-01	.1042	.3743-02	.3088-02	.3602-02	2.280	16.57	554.1
208	.85000	.60000	919.00	.3003	.2451	.2673	.1038-01	.8471-02	.9236-02	5.963	46.40	588.4
208	.85000	.20000	920.00	.2076	.1704	.1911	.7175-02	.5888-02	.6604-02	4.242	30.07	571.9
208	.85000	.40000	921.00	.1679	.1376	.1548	.5801-02	.4756-02	.5349-02	3.412	24.95	574.9
208	.90000	.00000	922.00	.1684	.1365	.1505	.5818-02	.4766-02	.5202-02	3.486	27.46	564.0
208	.90000	.10000+00	923.00	.2259	.1856	.2070	.7807-02	.6415-02	.7152-02	4.649	34.12	567.6
208	.90000	.20000	924.00	.2069	.1697	.1900	.7149-02	.5866-02	.6566-02	4.222	29.91	572.8
208	.90000	.30000	925.00	.1818	.1491	.1675	.6282-02	.5154-02	.5788-02	3.709	26.27	572.8
208	.90000	.50000	926.00	.1635	.1341	.1509	.5649-02	.4634-02	.5215-02	3.332	23.60	573.2
208	.90000	.80000	927.00	.1225	.1008	.1156	.4232-02	.3485-02	.3995-02	2.550	19.77	560.5
208	.90000	.90000	928.00	.8890-01	.7330-01	.8570-01	.3071-02	.2533-02	.2962-02	1.868	14.78	554.9
208	.95000	.00000	929.00	.9000-01	.7450-01	.8080-01	.3111-02	.2575-02	.2792-02	1.931	14.36	542.2
208	.95000	.50000-01	930.00	.1466	.1210	.1320	.5065-02	.4180-02	.4562-02	3.091	22.12	552.8
208	.95000	.10000+00	931.00	.1643	.1353	.1499	.5677-02	.4675-02	.5179-02	3.424	25.22	559.9
208	.95000	.20000	932.00	.1892	.1556	.1743	.6539-02	.5376-02	.6024-02	3.909	26.92	565.3
208	.95000	.30000	933.00	.1870	.1536	.1723	.6463-02	.5307-02	.5961-02	3.835	27.21	569.7
208	.95000	.50000	934.00	.1298	.1067	.1201	.4486-02	.3688-02	.4150-02	2.681	19.69	565.5
208	.95000	.70000	935.00	.1361	.1120	.1271	.4704-02	.3869-02	.4390-02	2.819	21.08	563.7
208	.95000	.80000	936.00	.1346	.1109	.1279	.4650-02	.3833-02	.4420-02	2.817	20.78	557.3
208	.95000	.90000	937.00	.8460-01	.6390-01	.8150-01	.2924-02	.2415-02	.2818-02	1.793	13.50	549.9

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(RVL12)

PARAMETRIC DATA

ALPHA ::	40.00	BETA	=	.0000	ELEVTR	=	.0000	SPOBRK	=	.0000
BOFLAP =	5.000	MACH	=	8.000						

...TEST CONDITIONS...

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
213	8.000	3.770	40.09	.0000	180.0	858.9	.8800-01	1337.	96.90	3.941	3858.	.7620-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTC/ R F12SEC	ST FR R =
213	.7798-07	.4899-01	0.0175 .2094-01

♦♦♦TEST DATA♦♦♦

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/TAH R=1.0	H(9T0) BTU/ R FT2SEC	H(T0) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	OTWDT DEG. R /SEC	TW DEG. R
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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RVIL13)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPDRBK = .0000
BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RHO
SLUGS
/FT³
.1093-04
.1093-04

V
FT/SEC
3761.
3764.

U
PSIA
.5320
.5380

T
DEG. R
94.40
94.50

TO
DEG. R
1273.
1274.

P
PSIA
.1200-01
.1200-01

PO
PSIA
109.5
110.8

PHI
MODEL
180.0
180.0

YAW
DEG.
.0000
.0000

ALPHA
DEG.
20.00
19.99

RN/L
X10⁶
/FT
.5359
.5406

MACH
7.900
7.900

LB-SEC
/FT²
.7600-07
.7611-07

ST FR
R =
0.0175
.5527-01
.5502-01

BTU/ R
FT2SEC
.1785-01
.1795-01

BTU/ R
FT2SEC
.1785-01
.1795-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(19T) BTU/ R FT2SEC	H(10T) BTU/ R FT2SEC	H(1TAN) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	OTWOT DEG. R /SEC	TN DEG. R
247	30000	.00000	845.00	.3890-01	.3210-01	.3280-01	.6980-03	.5764-03	.5889-03	.4220	4.701	542.8
247	30000	.50000-01	846.00	.1045	.8610-01	.1027	.1877-02	.1546-02	.1844-02	1.116	12.38	552.3
247	30000	.10000+00	847.00	.9390-01	.7740-01	.9280-01	.1686-02	.1390-02	.1666-02	1.009	8.530	548.3
247	30000	.20000	848.00	.8280-01	.6830-01	.8280-01	.1486-02	.1226-02	.1482-02	.8930	6.438	546.8
247	30000	.40000	850.00	.5300-01	.4370-01	.5330-01	.9515-03	.7851-03	.9566-03	.5720	4.108	545.8
247	30000	.50000	851.00	.4090-01	.3370-01	.4140-01	.7342-03	.6058-03	.7435-03	.4420	3.277	545.5
247	30000	.60000	852.00	.3760-01	.3050-01	.3740-01	.6540-03	.5480-03	.6721-03	.4000	2.970	544.5
247	30000	.70000	853.00	.3320-01	.2740-01	.3370-01	.5965-03	.4925-03	.6046-03	.3600	2.588	543.4
247	30000	.80000	854.00	.3270-01	.2700-01	.3330-01	.5867-03	.4846-03	.5977-03	.3550	2.638	542.1
247	30000	.90000	855.00	.1550-01	.1280-01	.610-01	.2788-03	.2306-03	.2896-03	.1700	1.245	537.6
247	30000	.95000	856.00	.1340-01	.1100-01	.400-01	.2377-03	.1983-03	.2509-03	.1460	1.056	536.4
247	35000	.00000	857.00	.9300-01	.7670-01	.7840-01	.1670-02	.1377-02	.1407-02	.9990	8.538	548.9
247	40000	.2017	858.00	.3422	.1655	.692	.3620-02	.2971-02	.3037-02	2.110	21.15	564.2
247	40000	.50000-01	859.00	.1948	.2809	.3295	.6145-02	.5043-02	.5915-02	3.587	25.53	563.2
247	40000	.10000+00	860.00	.9590-01	.7900-01	.1925	.3499-02	.2879-02	.3456-02	2.072	14.80	555.0
247	40000	.20000	861.00	.7270-01	.6000-01	.9650-01	.1721-02	.1419-02	.1732-02	1.029	7.624	549.1
247	40000	.30000	862.00	.7270-01	.6000-01	.7360-01	.1305-02	.1076-02	.1321-02	.7830	5.615	547.3
247	40000	.40000	863.00	.5810-01	.4790-01	.5880-01	.1043-02	.8604-03	.1056-02	.6270	4.810	546.0
247	40000	.60000	864.00	.5650-01	.4660-01	.5700-01	.1014-02	.8371-03	.1024-02	.6120	4.137	542.8

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAH) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R	
247	40000	70000	865.00	.5950-01	.4310-01	.6020-01	.1080-02	.8820-03	.1081-02	.6450	4.352	543.7	
247	40000	75000	865.00	.5210-01	.4300-01	.5250-01	.9348-03	.7720-03	.9497-03	.5650	4.199	542.5	
247	40000	80000	867.00	.3870-01	.3200-01	.3940-01	.6953-03	.5747-03	.7166-03	.4220	3.193	540.1	
247	40000	85000	869.00	.2880-01	.2380-01	.3010-01	.5185-03	.4270-03	.5398-03	.3140	2.699	538.8	
247	40000	90000	869.00	.2660-01	.1860-01	.2370-01	.4049-03	.3348-03	.4255-03	.2470	2.004	538.0	
247	50000	00000	871.00	.5576	.4534	.1640	.1001-01	.8140-02	.8320-02	5.551	44.71	592.5	
247	50000	50000-01	872.00	.3032	.2490	.2936	.5443-02	.4471-02	.5271-02	3.191	24.31	560.7	
247	50000	10000+00	873.00	.1655	.1363	.1648	.2972-02	.2448-02	.2959-02	1.769	13.08	551.8	
247	50000	20000	874.00	.1181	.9740-01	.1191	.2121-02	.1749-02	.2139-02	1.271	9.119	547.6	
247	50000	30000	875.00	.1021	.8420-01	.1032	.1833-02	.1512-02	.1853-02	1.099	7.880	547.8	
247	50000	40000	876.00	.8550-01	.7380-01	.9750-01	.1605-02	.1325-02	.1625-02	.9630	6.913	547.1	
247	50000	50000	877.00	.6900-01	.5690-01	.6990-01	.1238-02	.1022-02	.1254-02	.7460	5.189	544.9	
247	50000	60000	878.00	.2940-01	.2430-01	.2930-01	.5272-03	.4359-03	.5346-03	.3210	2.510	538.2	
247	55000	00000	879.00	.5845	.4721	.4835	.1049-01	.8477-02	.6680-02	5.618	46.55	611.6	
247	60000	00000	880.00	.4080	.3313	.3391	.7325-02	.5947-02	.6087-02	4.030	36.44	596.8	
247	60000	25000-01	881.00	.4660	.3807	.4394	.8366-02	.6834-02	.7889-02	4.757	35.92	578.4	
247	60000	50000-01	882.00	.2520	.2067	.2448	.4525-02	.3711-02	.4395-02	2.631	25.20	565.6	
247	60000	75000-01	883.00	.2495	.2051	.2471	.4479-02	.3681-02	.4436-02	2.634	19.42	558.9	
247	60000	10000+00	884.00	.1813	.1493	.1813	.3255-02	.2680-02	.3255-02	1.935	13.85	552.4	
247	60000	20000	885.00	.8490-01	.7010-01	.6580-01	.1524-02	.1259-02	.1540-02	.9180	6.597	544.5	
247	60000	30000	886.00	.6650-01	.5520-01	.6750-01	.1200-02	.9907-03	.1213-02	.7240	4.889	543.6	
247	60000	40000	887.00	.6040-01	.4930-01	.6030-01	.1084-02	.9247-03	.1094-02	.6530	4.549	544.2	
247	60000	50000	888.00	.6240-01	.5150-01	.6320-01	.1121-02	.9253-03	.1134-02	.5760	4.710	543.4	
247	60000	60000	889.00	.5810-01	.4800-01	.5880-01	.1043-02	.8615-03	.1057-02	.6310	4.393	542.7	
247	60000	80000	891.00	.3590-01	.2970-01	.3700-01	.6150-03	.5331-03	.6647-03	.3920	2.912	539.8	
247	60000	85000	892.00	.3930-01	.3250-01	.4070-01	.7061-03	.5837-03	.7305-03	.4290	3.145	538.9	
247	60000	90000	893.00	.3040-01	.2510-01	.3180-01	.5452-03	.4509-03	.5706-03	.3320	2.519	537.2	
247	65000	00000	894.00	.2250-01	.1860-01	.2360-01	.4038-03	.3241-03	.4243-03	.2470	1.870	536.2	
247	65000	00000	895.00	.3466	.2824	.2839	.6222-02	.5039-02	.5187-02	3.486	29.24	586.7	
247	70000	25000-01	896.00	.1839	.1533	.1537	.3301-02	.2639-02	.2760-02	1.884	24.30	576.2	
247	70000	50000-01	897.00	.2270	.1865	.2139	.4076-02	.3348-02	.3838-02	2.390	22.00	560.7	
247	70000	10000+00	898.00	.1608	.1325	.1625	.2887-02	.2379-02	.2881-02	1.723	11.96	550.2	
247	70000	20000	899.00	.1075	.8870-01	.1083	.1930-02	.1593-02	.1945-02	1.160	7.174	545.9	
247	70000	30000	900.00	.8330-01	.6880-01	.8430-01	.1439-02	.1235-02	.1514-02	.9040	5.594	543.0	
247	70000	40000	901.00	.9340-01	.7700-01	.9450-01	.1676-02	.1384-02	.1696-02	1.010	6.426	544.6	
247	70000	50000	902.00	.1003	.8260-01	.1016	.1E21-02	.1487-02	.1824-02	1.084	6.900	545.0	
247	70000	60000	903.00	.3210-01	.2660-01	.3360-01	.5766-03	.4769-03	.6026-03	.3510	2.534	537.5	
247	70000	70000	904.00	.1537	.1486	.1519	.3244-02	.2668-02	.2727-02	1.916	15.15	556.3	
247	75000	00000	905.00	.3799	.3105	.3563	.6821-02	.5574-02	.6396-02	3.686	30.41	577.3	
247	75000	25000-01	906.00	.2867	.2357	.2804	.5147-02	.4232-02	.5035-02	3.034	22.38	557.5	
247	75000	50000-01	907.00	.2001	.1647	.1966	.3592-02	.2957-02	.3584-02	2.134	14.79	552.9	
247	75000	10000+00	908.00	.1076	.8830-01	.1084	.1931-02	.1594-02	.1947-02	1.163	8.096	544.6	
247	75000	20000	909.00	.7820-01	.6460-01	.7900-01	.1404-02	.1160-02	.1416-02	.8490	5.411	542.1	

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1113)

RUN NUMBER	RY/B	X/C	H/HREF R=0.9	H/HREF R=1.9	H/HREF (TAW)	H(ISTO) BTU/ R FT2SEC	H(ITO) BTU/ R FT2SEC	H(ITAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
247	.75000	.40000	.6640-01	.5480-01	.6710-01	.1192-02	.9845-03	.1204-02	.7210	4.729	542.1
247	.75000	.40000	.5210-01	.5130-01	.5280-01	.1114-02	.9207-03	.1128-02	.7210	4.569	540.8
247	.75000	.80000	.5550-01	.4590-01	.5720-01	.9970-03	.8273-03	.1027-02	.6040	4.995	540.8
247	.75000	.90000	.4360-01	.3500-01	.4550-01	.7820-03	.6467-03	.8169-03	.4760	3.490	537.8
247	.75000	.95000	.3310-01	.2740-01	.3460-01	.5947-03	.4920-03	.8243-03	.3630	2.752	536.6
247	.80000	.00000	.3480	.2838	.2904	.6248-02	.5096-03	.5213-02	.3522	32.06	583.3
247	.80000	.20000	.1480	.1221	.1493	.2657-02	.2192-02	.2680-02	1.597	11.11	545.8
247	.80000	.40000	.8480-01	.7000-01	.3560-01	.1522-02	.1257-02	.1537-02	.9120	6.600	543.7
247	.80000	.60000	.2980-01	.2460-01	.3110-01	.5343-03	.4420-03	.5578-03	.3260	2.390	536.7
247	.85000	.00000	.4061	.3312	.3388	.7291-02	.5946-02	.6083-03	4.106	32.02	583.9
247	.85000	.20000	.1372	.1132	.1381	.2464-02	.2032-02	.2480-02	1.477	10.59	547.7
247	.65000	.40000	.9610-01	.8100-01	.3900-01	.1762-02	.1454-02	.1777-02	1.061	7.872	545.0
247	.90000	.00000	.2462	.2020	.2055	.4421-02	.3626-02	.3703-02	2.571	20.23	565.5
247	.90000	.10000+00	.1387	.1637	.1990	.3568-02	.2939-02	.3572-02	2.125	15.72	551.5
247	.90000	.20000	.1440	.1183	.1447	.2586-02	.2132-02	.2597-02	1.549	11.11	548.1
247	.90000	.30000	.1165	.9610-01	.1174	.2092-02	.1726-02	.2107-02	1.257	9.024	546.1
247	.90000	.50000	.9800-01	.8090-01	.3890-01	.1759-02	.1452-02	.1776-02	1.059	7.611	544.7
247	.90000	.80000	.6480-01	.5360-01	.5870-01	.1164-02	.9618-03	.1197-02	.7050	5.531	540.2
247	.90000	.90000	.4470-01	.3700-01	.4670-01	.8023-03	.6634-03	.8392-03	1.4880	3.896	538.5
247	.95000	.00000	.1577	.1299	.1328	.2831-02	.2333-02	.2384-02	1.688	12.49	550.8
247	.95000	.50000-01	.1921	.1582	.1884	.3449-02	.2840-02	.3382-02	2.048	14.65	553.3
247	.95000	.10000+00	.1715	.1413	.1708	.3080-02	.2538-02	.3067-02	1.837	13.60	550.4
247	.95000	.20000	.1519	.1253	.1529	.2727-02	.2249-02	.2745-02	1.634	11.35	548.1
247	.95000	.30000	.1278	.1055	.1289	.2295-02	.1693-02	.2314-02	1.379	9.900	546.1
247	.95000	.50000	.8630-01	.7130-01	.3730-01	.1550-02	.1280-02	.1567-02	.9350	6.946	543.7
247	.95000	.70000	.8160-01	.5090-01	.5270-01	.1106-02	.9136-03	.1127-02	.6700	5.066	541.2
247	.95000	.80000	.8180-01	.5110-01	.6400-01	.1110-02	.9175-03	.1148-02	.6740	5.018	539.6
247	.95000	.90000	.4170-01	.3150-01	.4360-01	.7487-03	.6192-03	.7824-03	.4560	3.454	537.9

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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(RV1113)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
228	7.940	1.003	19.89	.0000	180.0	209.5	.2200-01	1275.	93.70	.9900	3765.	.2009-04
229	7.940	1.020	19.98	.0000	180.0	210.4	.2300-01	1268.	93.20	.9990	3756.	.2037-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
228	.7540-07	.2435-01	0.0175
229	.7502-07	.2444-01	.4028-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAK)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
229	.30000	.00000	845.00	.3670-01	.3020-01	.3090-01	.8960-03	.7382-03	.7544-03	.5310	5.908	548.2
229	.30000	.50000-01	846.00	.1036	.8500-01	.1018	.2532-02	.2078-02	.2488-02	1.468	16.20	561.8
229	.30000	.10000+00	847.00	.8750-01	.7200-01	.8660-01	.2142-02	.1760-02	.2116-02	1.253	10.67	556.1
229	.30000	.20000	848.00	.8120-01	.6680-01	.8100-01	.1984-02	.1632-02	.1980-02	1.167	8.344	553.5
229	.30000	.40000	850.00	.5210-01	.4290-01	.5240-01	.1273-02	.1047-02	.1280-02	.7480	5.350	553.8
229	.30000	.50000	851.00	.3690-01	.3200-01	.3940-01	.9497-03	.7811-03	.9620-03	.5500	4.125	553.7
229	.30000	.60000	852.00	.3520-01	.2900-01	.3560-01	.8599-03	.7075-03	.8707-03	.5060	3.744	552.6
229	.30000	.70000	853.00	.2960-01	.2430-01	.3000-01	.7227-03	.5949-03	.7328-03	.4270	3.056	550.9
229	.30000	.80000	854.00	.3080-01	.2540-01	.3140-01	.7533-03	.6204-03	.7677-03	.4460	3.304	549.2
229	.30000	.90000	855.00	.1880-01	.1550-01	.1550-01	.4593-03	.3791-03	.4773-03	.2750	2.013	541.9
229	.30000	.95000	856.00	.1520-01	.1260-01	.1600-01	.3724-03	.3075-03	.3900-03	.2240	1.612	540.1
229	.35000	.06000	857.00	.9492-01	.7790-01	.7970-01	.2318-02	.1905-02	.1947-02	1.354	11.52	557.4
229	.40000	.00000	958.00	.2057	.1679	.1718	.5027-02	.4104-02	.4198-02	2.833	28.21	577.8
229	.40000	.50000-01	859.00	.3498	.2856	.3364	.8548-02	.6979-02	.8220-02	4.825	34.11	576.9
229	.40000	.10000+00	860.00	.1880	.1542	.1856	.4594-02	.3767-02	.4536-02	2.653	18.88	563.9
229	.40000	.20000	861.00	.9310-01	.7650-01	.9370-01	.2274-02	.1869-02	.2289-02	1.329	9.808	556.8
229	.40000	.30000	862.00	.6960-01	.5720-01	.7050-01	.1701-02	.1398-02	.1723-02	.9960	7.116	555.8
229	.40000	.40000	863.00	.5460-01	.4490-01	.5530-01	.1334-02	.1097-02	.1351-02	.7830	5.988	554.1
229	.40000	.50000	864.00	.6000-01	.4940-01	.6060-01	.1465-02	.1207-02	.1481-02	.8660	5.830	550.2

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(RV1L13)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
229	40000	70000	865.00	5480-01	4510-01	5550-01	1339-02	1103-02	1356-02	7910	5.325	550.5
229	40000	75000	866.00	4570-01	3760-01	4640-01	1116-02	1103-03	1134-02	6610	4.897	549.0
229	40000	85000	867.00	3520-01	2900-01	3630-01	8508-03	7098-03	8875-03	5130	3.872	545.3
229	40000	90000	868.00	2780-01	2300-01	2910-01	6801-03	5611-03	7112-03	4070	3.480	543.3
229	40000	95000	869.00	2150-01	1780-01	2260-01	5215-03	4338-03	5826-03	3150	2.557	541.5
229	50000	00000	871.00	5649	4555	4665	1380-01	1113-01	1140-01	7287	58.08	613.5
229	50000	50000-01	872.00	3022	2471	2925	7384-02	6038-02	7146-02	4201	31.82	572.4
229	50000	10000+00	873.00	1601	1315	1594	3912-02	3213-02	3896-02	2278	16.79	559.2
229	50000	20000	874.00	1212	9960-01	1223	2962-02	2434-02	2988-02	1733	12.38	556.2
229	50000	30000	875.00	1039	8540-01	1050	2538-02	2086-02	2566-02	1486	10.61	556.0
229	50000	40000	876.00	8910-01	7330-01	9020-01	2177-02	1790-02	2203-02	1277	9.130	554.7
229	50000	50000	877.00	7390-01	6070-01	7480-01	1804-02	1484-02	1827-02	1062	7.358	552.8
229	50000	60000	878.00	31.0-01	2550-01	3140-01	7565-03	6243-03	7674-03	4530	3.542	542.8
229	55000	00000	879.00	5313	4262	4367	1298-01	1041-01	1067-01	6671	54.85	627.5
229	60000	00000	880.00	4251	3421	3504	1039-01	8359-02	8563-02	5427	48.54	618.9
229	60000	25000-01	881.00	4699	3814	4423	1148-01	9319-02	1081-01	6271	46.96	595.2
229	60000	50000-01	882.00	2558	2087	2482	6250-02	5100-02	6066-02	3516	33.47	578.8
229	60000	75000-01	883.00	2565	2098	2539	6268-02	5128-02	6205-02	3575	26.20	570.9
229	60000	10000+00	884.00	1920	1576	1920	4692-02	3950-02	4692-02	2722	19.39	561.1
229	60000	20000	885.00	9940-01	8180-01	1004	2428-02	1958-02	2454-02	1431	10.25	551.8
229	60000	30000	886.00	7320-01	6220-01	7390-01	1788-02	1472-02	1807-02	1056	7.106	550.6
229	60000	40000	887.00	5890-01	4840-01	5940-01	1438-02	1184-02	1452-02	8490	5.887	551.3
229	60000	50000	888.00	5900-01	4860-01	5970-01	1442-02	1187-02	1460-02	8520	5.913	550.3
229	60000	60000	889.00	5510-01	4540-01	5560-01	1347-02	1110-02	1365-02	7970	5.537	549.5
229	60000	70000	890.00	3330-01	2750-01	3430-01	8135-03	6709-03	8388-03	4850	3.599	545.3
229	60000	85000	892.00	3790-01	3120-01	3320-01	9252-03	7632-03	9577-03	5530	4.038	543.8
229	60000	90000	893.00	2820-01	2330-01	2950-01	6894-03	5690-03	7220-03	4130	3.126	541.6
229	60000	95000	894.00	1958-01	1610-01	2050-01	4766-03	3936-03	5011-03	2870	2.170	539.7
229	65000	00000	895.00	3479	2813	2891	8500-02	6975-02	7039-02	4560	37.91	604.9
229	70000	00000	896.00	1840	1496	1531	4497-02	3655-02	3740-02	2474	31.67	591.2
229	70000	25000-01	897.00	2289	1871	2151	5590-02	4572-02	5256-02	3186	29.17	571.4
229	70000	50000	898.00	1553	1276	1550	3794-02	3117-02	3786-02	2215	15.31	557.7
229	70000	10000+00	899.00	1102	9070-01	1111	2694-02	2217-02	2714-02	1590	9.803	551.2
229	70000	30000	900.00	8200-01	6750-01	8300-01	2064-02	1650-02	2028-02	1186	7.319	549.4
229	70000	40000	901.00	8260-01	6810-01	8360-01	2020-02	1663-02	2044-02	1195	7.583	549.7
229	70000	50000	902.00	1116	9160-01	1130	2726-02	2243-02	2761-02	1605	10.17	552.5
229	70000	60000	903.00	3360-01	2783-01	3520-01	8218-03	6783-03	8593-03	4930	3.543	542.0
229	75000	00000	904.00	1989	1631	1668	4859-02	3986-02	4076-02	2813	22.18	562.4
229	75000	25000-01	905.00	3817	3100	3572	9328-02	7575-02	8729-02	5113	39.69	593.2
229	75000	50000-01	906.00	2843	2328	2780	6946-02	5690-02	6792-02	3988	29.28	567.1
229	75000	10000+00	907.00	1941	1594	1937	4744-02	3895-02	4734-02	2760	19.07	559.5
229	75000	20000	908.00	9910-01	8160-01	9990-01	2421-02	1993-02	2441-02	1430	9.919	550.8
229	75000	30000	909.00	7680-01	6330-01	7760-01	1877-02	1546-02	1896-02	1114	7.079	547.7

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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(RVIL13)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(ISO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QUOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. P
229	.75000	.40000	910.00	.7080-01	.5830-01	.7150-01	.1730-02	.1425-02	.1748-02	1.025	6.899	548.8
229	.75000	.60000	911.00	.7050-01	.5810-01	.7140-01	.1724-02	.1420-02	.1746-02	1.023	6.896	547.7
229	.75000	.80000	912.00	.5060-01	.4170-01	.5220-01	.1237-02	.1020-02	.1275-02	1.020	6.071	546.0
229	.75000	.90000	913.00	.4240-01	.3500-01	.4430-01	.1036-02	.8554-03	.1083-02	.6210	4.543	541.9
229	.75000	.00000	914.00	.3090-01	.2550-01	.3240-01	.7541-03	.6226-03	.7921-03	.4530	3.425	540.9
229	.80000	.00000	915.00	.3494	.2830	.2897	.8538-02	.6914-02	.7078-02	4.611	41.60	601.2
229	.80000	.20000	916.00	.1283	.1056	.1294	.3135-02	.2580-02	.3163-02	1.849	12.82	551.7
229	.80000	.40000	917.00	.8350-01	.6880-01	.8430-01	.2041-02	.1681-02	.2060-02	1.209	8.663	549.1
229	.80000	.60000	918.00	.4800-01	.3950-01	.5010-01	.1172-02	.9671-03	.1225-02	.7010	5.127	542.8
229	.85000	.00000	919.00	.4121	.3336	.3416	.1007-01	.8153-02	.8346-02	5.432	41.99	601.9
229	.85000	.20000	920.00	.1268	.1043	.1277	.3039-02	.2549-02	.3119-02	1.823	13.04	553.0
229	.85000	.40000	921.00	.9580-01	.7890-01	.9670-01	.2342-02	.1928-02	.2352-02	1.384	10.24	550.3
229	.90000	.00000	922.00	.2435	.2036	.2083	.6097-02	.4976-02	.5090-02	3.434	26.86	578.0
229	.90000	.10000+00	923.00	.1893	.1556	.1895	.4626-02	.3801-02	.4631-02	2.704	19.95	556.7
229	.90000	.20000	924.00	.1404	.1155	.1411	.3432-02	.2422-02	.3447-02	2.012	14.38	555.0
229	.90000	.30000	925.00	.1221	.1005	.1231	.2984-02	.2456-02	.3007-02	1.760	12.60	551.4
229	.90000	.50000	926.00	.9190-01	.7570-01	.9280-01	.2247-02	.1850-02	.2268-02	1.329	9.523	549.8
229	.90000	.80000	927.00	.5100-01	.4210-01	.5250-01	.1247-02	.1028-02	.1283-02	.7420	5.799	543.1
229	.90000	.50000	928.00	.4730-01	.3900-01	.4550-01	.1155-02	.9527-03	.1299-02	.6910	5.499	543.1
229	.95000	.00000	929.00	.1540	.1264	.1547	.3762-02	.3090-02	.3159-02	2.192	16.16	558.6
229	.95000	.50000-01	930.00	.1920	.1576	.1982	.4691-02	.3850-02	.4598-02	2.726	19.43	560.3
229	.95000	.10000+00	931.00	.1704	.1400	.1696	.4163-02	.3421-02	.4145-02	2.434	17.96	556.6
229	.95000	.20000	932.00	.1537	.1264	.1547	.3755-02	.3088-02	.3780-02	2.203	15.26	554.6
229	.95000	.30000	933.00	.1258	.1035	.1269	.3074-02	.2529-02	.3100-02	1.809	12.94	552.9
229	.95000	.50000	934.00	.8680-01	.7150-01	.8770-01	.2120-02	.1747-02	.2143-02	1.257	9.309	548.8
229	.95000	.70000	935.00	.6280-01	.5170-01	.6400-01	.1534-02	.1264-02	.1563-02	.9120	6.877	546.8
229	.95000	.80000	936.00	.6160-01	.5240-01	.6580-01	.1553-02	.1291-02	.1607-02	.9270	6.882	544.5
229	.95000	.90000	937.00	.4200-01	.3470-01	.4400-01	.1027-02	.8480-03	.1074-02	.6160	4.657	541.8

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
215	8.000	3.767	19.95	.0000	180.0	361.6	.8800-01	1340.	97.10	3.954	3863.	.7624-04
216	8.000	3.772	19.96	.0000	180.0	360.7	.8800-01	1338.	97.00	3.949	3860.	.7629-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
215	.7819-37	.4909-01	.4905-01	0.0175
216	.7806-07	.4905-01	.4905-01	.2093-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
216	.30000	.00000	845.00	.3650-01	.3020-01	.3090-01	.1790-02	.1482-02	.1514-02	1.154	12.76	559.3
216	.30000	.50000-01	846.00	.1010	.8290-01	.9920-01	.4952-02	.4066-02	.4866-02	3.041	33.10	590.1
216	.30000	.10000+00	847.00	.9010-01	.7420-01	.8900-01	.4419-02	.3541-02	.4357-02	2.767	23.31	578.0
216	.30000	.20000	848.00	.8150-01	.6730-01	.8130-01	.3536-02	.3300-02	.3987-02	2.533	17.96	570.4
216	.30000	.40000	850.00	.4330-01	.3580-01	.4360-01	.2125-02	.1755-02	.2137-02	1.346	9.547	570.6
216	.30000	.50000	851.00	.4200-01	.3470-01	.4260-01	.2062-02	.1701-02	.2088-02	1.303	9.541	572.1
216	.30000	.60000	852.00	.5200-01	.4290-01	.5260-01	.2548-02	.2103-02	.2580-02	1.609	11.78	572.8
216	.30000	.70000	853.00	.5550-01	.4580-01	.5630-01	.2725-02	.2249-02	.2762-02	1.719	12.17	573.4
216	.30000	.80000	854.00	.6930-01	.5760-01	.7120-01	.3428-02	.2828-02	.3493-02	2.160	15.80	574.0
216	.30000	.90000	855.00	.4130-01	.3440-01	.5300-01	.2034-02	.1695-02	.2112-02	1.318	9.571	556.0
216	.30000	.00000	856.00	.3040-01	.2220-01	.3180-01	.1491-02	.1237-02	.1559-02	.9740	6.977	550.7
216	.35000	.00000	857.00	.5600-01	.7910-01	.8080-01	.4707-02	.3980-02	.8332-02	2.954	24.90	576.6
216	.40000	.00000	858.00	.2044	.1660	.1699	.1003-01	.8141-02	.3955-02	5.790	56.27	626.8
216	.40000	.50000 01	859.00	.3430	.2782	.3294	.1683-01	.1354-01	.1616-01	9.651	66.45	630.6
216	.40000	.10000+00	860.00	.1937	.1585	.1912	.9500-02	.7776-02	.9379-02	5.734	40.06	600.6
216	.40000	.20000	861.00	.9090-01	.7480-01	.9150-01	.4457-02	.3669-02	.4486-02	2.779	20.26	580.6
216	.40000	.30000	862.00	.6420-01	.5290-01	.6500-01	.3150-02	.2595-02	.3189-02	1.974	13.95	577.4
216	.40000	.40000	863.00	.4760-01	.3930-01	.4820-01	.2336-02	.1927-02	.2366-02	1.471	11.13	574.4
216	.40000	.60000	864.00	.4080-01	.3370-01	.4120-01	.2002-02	.1653-02	.2022-02	1.271	8.472	569.2

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(10) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(TAH) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
216	.40000	.70000	865.00	.4940-01	.4080-01	.5010-01	.2455-02	.2003-02	.2455-02	1.539	10.26	569.5
216	.40000	.75000	866.00	.4430-01	.3660-01	.4500-01	.2174-02	.1797-02	.2209-02	1.385	10.17	567.1
216	.40000	.80000	867.00	.3340-01	.2770-01	.3440-01	.1640-02	.1358-02	.1689-02	1.058	7.931	558.8
216	.40000	.85000	868.00	.2510-01	.2080-01	.2630-01	.1233-02	.1022-02	.1283-02	.8000	6.819	555.2
216	.40000	.90000	869.00	.1900-01	.1580-01	.2000-01	.9233-03	.7738-03	.9789-03	.6090	4.914	551.2
216	.50000	.00000	871.00	.5169	.4058	.4167	.2535-01	.1991-01	.2044-01	12.40	94.14	715.2
216	.50000	.05000	872.00	.3095	.2510	.2991	.1518-01	.1231-01	.1467-01	8.710	64.12	630.4
216	.50000	.10000	873.00	.1738	.1424	.1731	.8525-02	.6985-02	.8490-02	5.173	37.40	597.4
216	.50000	.15000	874.00	.1587	.1323	.1601	.7783-02	.6391-02	.7852-02	4.781	33.58	589.8
216	.50000	.20000	875.00	.1367	.1140	.1402	.6804-02	.5592-02	.6878-02	4.201	29.56	586.6
216	.50000	.25000	876.00	.1193	.9820-01	.1109	.5854-02	.4700-02	.5923-02	3.644	25.70	581.7
216	.50000	.30000	877.00	.1164	.9580-01	.1179	.5709-02	.4700-02	.5784-02	3.555	24.29	581.5
216	.50000	.35000	878.00	.5500-01	.4560-01	.5580-01	.2693-02	.2235-02	.2738-02	1.739	13.49	559.8
216	.50000	.40000	879.00	.4531	.3542	.3639	.2223-01	.1737-01	.1785-01	10.64	83.56	725.3
216	.50000	.45000	880.00	.4006	.3137	.3222	.1965-01	.1539-01	.1580-01	9.489	80.84	721.2
216	.50000	.50000	881.00	.4659	.3712	.4360	.2285-01	.1821-01	.2139-01	11.99	86.21	679.5
216	.50000	.55000	882.00	.2682	.2165	.2595	.1350-01	.1062-01	.1275-01	7.363	67.88	625.8
216	.50000	.60000	883.00	.2753	.2235	.2724	.1034-01	.8934-02	.1094-01	6.531	45.49	606.9
216	.50000	.65000	884.00	.2229	.1821	.2230	.8654-02	.7096-02	.8750-02	5.275	36.97	594.6
216	.50000	.70000	885.00	.1617	.1329	.1764	.7934-02	.6520-02	.8021-02	4.824	32.33	587.4
216	.50000	.75000	886.00	.3066	.2497	.3038	.1504-01	.1225-01	.1520-01	8.824	59.23	617.5
216	.50000	.80000	887.00	.3149	.2569	.3190	.1544-01	.1260-01	.1565-01	9.153	61.62	611.5
216	.50000	.85000	888.00	.2758	.2256	.2795	.1353-01	.1106-01	.1371-01	8.124	54.91	603.7
216	.50000	.90000	889.00	.1402	.1155	.1446	.6877-02	.5665-02	.7092-02	3.984	31.38	578.9
216	.50000	.95000	891.00	.1284	.1060	.1329	.6293-02	.5197-02	.6517-02	2.977	28.70	571.4
216	.50000	.00000	892.00	.9480-01	.7840-01	.9920-01	.4648-02	.3845-02	.4865-02	2.977	22.26	563.7
216	.50000	.05000	893.00	.6860-01	.5680-01	.7200-01	.3364-02	.2786-02	.3534-02	2.171	16.28	558.7
216	.50000	.10000	894.00	.3071	.2446	.2508	.1505-01	.1200-01	.1230-01	7.886	63.21	680.6
216	.50000	.15000	895.00	.1887	.1518	.1555	.9257-02	.7445-02	.7627-02	5.090	63.18	654.3
216	.50000	.20000	896.00	.2492	.2029	.2339	.1232-01	.9952-02	.1147-01	7.172	64.20	617.3
216	.50000	.25000	897.00	.2869	.2341	.2863	.1407-01	.1148-01	.1404-01	8.353	56.26	610.5
216	.50000	.30000	898.00	.3725	.3032	.3755	.1827-01	.1487-01	.1842-01	8.565	63.76	618.9
216	.50000	.35000	899.00	.3458	.2820	.3502	.1636-01	.1383-01	.1718-01	10.03	59.98	612.9
216	.50000	.40000	901.00	.3297	.2689	.3339	.1617-01	.1319-01	.1638-01	9.565	58.84	612.6
216	.50000	.45000	902.00	.2867	.2345	.2903	.1406-01	.1150-01	.1435-01	8.458	52.29	602.6
216	.50000	.50000	903.00	.9840-01	.8130-01	.1028	.4825-02	.3999-02	.5043-02	3.080	21.89	565.8
216	.50000	.55000	904.00	.3075	.2503	.2561	.1508-01	.1228-01	.1256-01	8.835	67.72	658.1
216	.50000	.60000	905.00	.3808	.3058	.3551	.1868-01	.1500-01	.1741-01	10.20	76.72	658.1
216	.50000	.65000	906.00	.2917	.2384	.2851	.1431-01	.1169-01	.1399-01	8.593	44.68	605.6
216	.50000	.70000	907.00	.2197	.1803	.2193	.1078-01	.8844-02	.1075-01	6.599	44.68	591.8
216	.50000	.75000	908.00	.2197	.1803	.2193	.1078-01	.8844-02	.1075-01	6.599	44.68	591.8
216	.50000	.80000	909.00	.2783	.2279	.2613	.1365-01	.1118-01	.1380-01	6.381	43.32	594.5
216	.50000	.85000	909.00	.2783	.2279	.2613	.1365-01	.1118-01	.1380-01	6.381	43.32	594.5
216	.50000	.90000	909.00	.2783	.2279	.2613	.1365-01	.1118-01	.1380-01	6.381	43.32	594.5

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(RV1113)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(910) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
216	.75000	.40000	910.00	.2878	.2351	.2910	.1412-01	.1153-01	.1428-01	8.435	53.57	606.6
216	.75000	.60000	911.00	.2824	.2311	.2862	.1385-01	.1134-01	.1404-01	8.354	54.82	601.0
216	.75000	.80000	912.00	.1583	.1302	.1632	.7766-02	.6388-02	.8007-02	3.817	38.96	583.9
216	.75000	.90000	913.00	.1095	.9060-01	.1144	.5373-02	.4443-02	.5614-02	3.434	24.82	565.1
216	.75000	.95000	914.00	.7890-01	.6530-01	.8280-01	.3872-02	.3204-02	.4064-02	2.488	18.63	561.5
216	.80000	.00000	915.00	.3521	.2810	.2881	.1727-01	.1378-01	.1413-01	9.132	79.49	675.4
216	.80000	.20000	916.00	.1312	.1081	.1323	.6434-02	.5303-02	.6489-02	4.038	27.66	576.5
216	.80000	.40000	917.00	.2171	.1777	.2193	.1065-	.8718-02	.1076-01	6.428	44.91	600.5
216	.80000	.60000	918.00	.1199	.9900-01	.1253	.5881-01	.4856-02	.6144-02	3.729	26.88	570.1
216	.85000	.00000	919.00	.4170	.3326	.3410	.2045-01	.1632-01	.1673-01	10.79	80.49	676.4
216	.85000	.20000	920.00	.1320	.1088	.1328	.6473-02	.5334-02	.6516-02	4.057	28.67	577.4
216	.85000	.40000	921.00	.1077	.8880-01	.1086	.5281-02	.4357-02	.5327-02	3.332	24.38	573.3
216	.90000	.00000	922.00	.2507	.2035	.2082	.1230-01	.9880-02	.1021-01	7.089	54.12	627.6
216	.90000	.10000+00	923.00	.1948	.1601	.1951	.9556-02	.7855-02	.9569-02	5.903	42.92	586.4
216	.90000	.20000	924.00	.1413	.1164	.1419	.6929-02	.5708-02	.6960-02	4.333	30.60	574.2
216	.90000	.30000	925.00	.1178	.9710-01	.1187	.5777-02	.4765-02	.5821-02	3.639	25.76	574.2
216	.90000	.50000	926.00	.9630-01	.7950-01	.9730-01	.4726-02	.3901-02	.4772-02	2.991	21.20	571.3
216	.90000	.80000	927.00	.9530-01	.7960-01	.9910-01	.4726-02	.3903-02	.4862-02	2.997	23.12	570.0
216	.93000	.90000	928.00	.9120-01	.7530-01	.9540-01	.4471-02	.3694-02	.4678-02	2.841	22.33	568.7
216	.95000	.00000	929.00	.1322	.1252	.1279	.7464-02	.6139-02	.6275-02	4.629	33.70	583.9
216	.95000	.50000-01	930.00	.1826	.1547	.1849	.9250-02	.7590-02	.9068-02	5.660	39.71	592.3
216	.95000	.10000+00	931.00	.1724	.1418	.1717	.8456-02	.6955-02	.8421-02	5.241	38.14	584.4
216	.95000	.20000	932.00	.1497	.1234	.1507	.7344-02	.6053-02	.7393-02	4.605	31.53	577.2
216	.95000	.30000	933.00	.1272	.1049	.1283	.6239-02	.5145-02	.6293-02	3.925	27.78	575.0
216	.95000	.40000-01	934.00	.8440-01	.6970-01	.8530-01	.4139-02	.3419-02	.4183-02	2.631	19.30	568.5
216	.95000	.50000	935.00	.7010-01	.5790-01	.7140-01	.3438-02	.2841-02	.3503-02	2.190	16.34	567.3
216	.95000	.70000	936.00	.6690-01	.5530-01	.6910-01	.3280-02	.2715-02	.3392-02	2.109	15.52	561.2
216	.95000	.80000	937.00	.4450-01	.3630-01	.4650-01	.2183-02	.1810-02	.2279-02	1.419	10.66	554.2

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL14)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BDFLAP = 15.00 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
248	7.900	29.98	.0000	180.0	111.0	.1200-01	1276.	94.60	.5390	3765.	.1094-04
249	7.900	29.99	.0000	180.0	110.3	.1200-01	1275.	94.60	.5360	3765.	.1088-04

RUN NUMBER	MU	LB-SEC /FT ²	ST FR R =
248	.7617-07	.1797-01	0.0175
249	.7616-07	.1792-01	.5517-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AM) BTU/ R FT2SEC	QOOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
249	.30000	.00000	845.00	.4110-01	.3400-01	.3560-01	.7371-03	.6089-03	.6384-03	.4460	4.976	542.2
249	.30000	.50000-01	846.00	.1304	.1073	.1226	.2336-02	.1923-02	.2196-02	1.387	15.38	552.9
249	.30000	.10000-00	847.00	.1173	.9670-01	.1109	.2102-02	.1733-02	.1988-02	1.258	10.75	549.3
249	.30000	.20000	848.00	.1057	.8720-01	.1010	.1894-02	.1563-02	.1809-02	1.138	8.166	547.0
249	.30000	.40000	850.00	.6720-01	.5540-01	.6460-01	.1203-02	.9922-03	.1158-02	.7220	5.177	547.9
249	.30000	.50000	851.00	.5130-01	.4280-01	.5040-01	.9304-03	.7673-03	.9025-03	.5580	4.137	546.9
249	.30000	.60000	852.00	.4840-01	.4060-01	.4700-01	.8680-03	.7160-03	.8416-03	.5220	3.867	546.0
249	.30000	.70000	853.00	.4110-01	.3390-01	.3930-01	.7357-03	.6079-03	.7155-03	.4430	3.183	544.9
249	.30000	.80000	854.00	.4030-01	.3330-01	.3940-01	.7222-03	.5961-03	.7053-03	.4350	3.232	539.4
249	.30000	.90000	855.00	.2540-01	.2100-01	.2530-01	.4547-03	.3759-03	.4541-03	.2770	2.025	538.0
249	.30000	.95000	856.00	.2220-01	.1650-01	.2300-01	.4089-03	.3382-03	.4123-03	.2450	1.797	538.0
249	.35000	.00000	857.00	.9930-01	.8240-01	.8640-01	.1789-02	.1475-02	.1547-02	1.073	9.175	548.0
249	.40000	.00000	858.00	.1851	.1521	.1597	.3316-02	.2726-02	.2861-02	1.551	19.61	553.4
249	.40000	.50000-01	859.00	.3519	.2890	.3241	.6305-02	.5178-02	.5806-02	3.694	26.31	561.9
249	.40000	.10000-00	860.00	.2248	.1850	.2123	.4026-02	.3314-02	.3803-02	2.388	17.07	554.7
249	.40000	.20000	861.00	.1262	.1040	.1216	.2200-02	.1853-02	.2178-02	1.550	9.989	550.7
249	.40000	.30000	862.00	.1021	.8410-01	.9830 01	.1828-02	.1507-02	.1773-02	1.093	7.828	550.2
249	.40000	.40000	863.00	.8100-01	.6670-01	.7850-01	.1450-02	.1195-02	.1407-02	.8900	6.657	548.8
249	.40000	.60000	864.00	.8010-01	.6610-01	.7750-01	.1435-02	.1184-02	.1388-02	.8640	5.830	545.4

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(TAW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMDT DEG. R /SEC	TW DEG. R
249	.40000	.70000	865.00	.7860-01	.6480-01	.7620-01	.1407-02	.1161-02	.1365-02	.8470	5.710	546.1
249	.40000	.75000	866.00	.6730-01	.5550-01	.6550-01	.1205-02	.9947-03	.1173-02	.7270	5.395	544.7
249	.40000	.85000	867.00	.5170-01	.4270-01	.5110-01	.9559-03	.7649-03	.9161-03	.5510	4.243	541.7
249	.40000	.90000	868.00	.4230-01	.3500-01	.4260-01	.7582-03	.6265-03	.7630-03	.4600	3.948	541.0
249	.40000	.95000	869.00	.3420-01	.2820-01	.3460-01	.6119-03	.5058-03	.6202-03	.3720	3.023	539.3
249	.50000	.00000	871.00	.5635	.4594	.4831	.1009-01	.8230-02	.8655-02	.5.681	45.92	585.0
249	.50000-01	.50000-01	872.00	.3563	.2926	.3320	.6363-02	.5242-02	.5911-02	.2847	28.47	581.9
249	.50000	.10000+00	873.00	.2074	.1709	.1976	.3716-02	.3061-02	.3541-02	16.38	16.38	551.8
249	.50000	.20000	874.00	.1392	.1148	.1344	.2494-02	.2056-02	.2409-02	10.71	10.71	548.6
249	.50000	.30000	875.00	.1118	.9220-01	.1082	.2002-02	.1651-02	.1938-02	8.609	8.609	548.2
249	.50000	.40000	876.00	.9090-01	.7500-01	.8810-01	.1629-02	.1343-02	.1578-02	7.039	7.039	547.9
249	.50000	.50000	877.00	.6940-01	.5730-01	.6730-01	.1243-02	.1026-02	.1206-02	5.206	5.206	545.8
249	.50000	.60000	878.00	.3860-01	.3150-01	.3760-01	.6920-03	.5720-03	.5727-03	3.294	3.294	540.1
249	.50000	.70000	879.00	.7400	.5954	.6280	.1326-01	.1067-01	.1125-01	6.154	6.154	542.4
249	.60000	.80000	880.00	.4575	.3720	.3914	.8197-02	.6664-02	.7013-02	4.118	4.118	593.1
249	.60000	.90000	881.00	.5034	.4114	.4543	.9019-02	.7371-02	.8139-02	5.144	5.144	577.3
249	.60000	.00000	882.00	.2786	.2285	.2587	.4991-02	.4093-02	.4634-02	2.902	2.902	566.3
249	.60000	.10000+00	883.00	.2665	.2354	.2712	.5133-02	.4217-02	.4859-02	3.014	3.014	560.5
249	.60000	.20000	884.00	.2139	.1762	.2047	.3833-02	.3156-02	.3668-02	2.281	2.281	552.5
249	.60000	.30000	885.00	.1451	.1197	.1405	.2600-02	.1967-02	.2516-02	1.118	1.118	548.3
249	.60000	.40000	886.00	.1331	.1098	.1289	.2385-02	.1967-02	.2308-02	1.430	1.430	548.2
249	.60000	.50000	887.00	.1175	.9690-01	.1136	.2104-02	.1736-02	.2035-02	8.787	8.787	547.1
249	.60000	.60000	888.00	.1104	.9110-01	.1071	.1978-02	.1632-02	.1918-02	8.273	8.273	546.4
249	.60000	.70000	889.00	.9300-01	.7590-01	.8920-01	.1648-02	.1360-02	.1598-02	6.901	6.901	545.6
249	.60000	.80000	891.00	.5450-01	.4500-01	.5390-01	.9758-03	.8061-03	.9655-03	4.394	4.394	542.0
249	.60000	.90000	892.00	.6240-01	.5160-01	.6200-01	.1118-02	.9236-03	.9655-03	5.910	5.910	541.1
249	.60000	.00000	893.00	.5140-01	.4250-01	.5180-01	.9208-03	.7512-03	.9286-03	4.241	4.241	539.4
249	.60000	.10000	894.00	.3880-01	.3210-01	.3940-01	.6962-03	.5757-03	.7056-03	3.214	3.214	538.2
249	.65000	.20000	895.00	.3333	.2721	.2860	.5971-02	.4875-02	.5125-02	28.49	28.49	580.6
249	.70000	.30000	896.00	.1655	.1365	.1434	.2982-02	.2446-02	.2568-02	22.45	22.45	566.8
249	.70000	.40000	897.00	.2396	.1969	.2162	.4293-02	.3528-02	.3874-02	23.27	23.27	559.4
249	.70000	.50000	898.00	.2179	.1794	.2080	.3319-02	.2736-02	.3272-02	16.10	16.10	552.6
249	.70000	.60000	899.00	.1853	.1527	.1787	.2552-02	.2106-02	.2474-02	12.26	12.26	549.1
249	.70000	.70000	900.00	.1425	.1175	.1381	.2239-02	.1848-02	.2171-02	9.481	9.481	546.7
249	.70000	.80000	901.00	.1250	.1032	.1212	.1964-02	.1621-02	.1905-02	8.576	8.576	545.7
249	.70000	.90000	902.00	.1096	.9050-01	.1064	.1021-02	.8436-03	.1027-02	7.525	7.525	545.4
249	.70000	.00000	903.00	.5700-01	.4710-01	.5730-01	.2605-02	.2146-02	.2552-02	4.469	4.469	539.8
249	.75000	.10000	904.00	.1454	.1198	.1257	.6469-02	.5296-02	.5813-02	12.34	12.34	550.6
249	.75000	.25000-01	905.00	.3611	.2956	.3245	.5650-02	.4646-02	.5286-02	29.20	29.20	572.3
249	.75000	.50000-01	906.00	.3154	.2594	.2951	.4302-02	.3542-02	.4107-02	24.59	24.59	557.6
249	.75000	.75000	907.00	.2401	.1977	.2293	.2715-02	.2238-02	.2620-02	17.72	17.72	553.2
249	.75000	.00000	908.00	.1515	.1249	.1463	.2445-02	.2018-02	.2366-02	11.30	11.30	548.4
249	.75000	.30000	909.00	.1365	.1126	.1321				9.374	9.374	545.1

(RVIL14)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) OR31TER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
249	.75000	.40000	910.00	.1219	.1006	.1180	.2183-02	.1902-02	.2113-02	1.315	8.612	545.3
249	.75000	.60000	911.00	.1071	.8840-01	.1039	.1919-02	.1584-02	.1862-02	1.158	7.819	544.2
249	.75000	.80000	912.00	.6910-01	.5710-01	.6830-01	.1238-02	.1022-02	.1234-02	.7500	6.191	542.1
249	.75000	.90000	913.00	.5830-01	.4820-01	.5830-01	.1044-02	.6036-03	.1051-02	.6360	4.658	538.8
249	.75000	.95000	914.00	.4270-01	.3530-01	.4320-01	.7631-03	.6327-03	.7743-03	.4660	3.532	538.2
249	.80000	.00000	915.00	.3228	.2639	.2774	.5783-02	.4728-02	.4969-02	3.304	30.17	576.5
249	.80000	.20000	916.00	.1534	.1265	.1481	.2748-02	.2266-02	.2554-02	1.645	11.42	549.1
249	.80000	.40000	917.00	.1125	.9290-01	.1089	.2017-02	.1665-02	.1950-02	1.215	8.728	545.2
249	.80000	.60000	918.00	.6470-01	.5750-01	.65.0-01	.1160-02	.9584-03	.1166-02	.7050	5.158	540.0
249	.85000	.80000	919.00	.3920	.3205	.3368	.7022-02	.5741-02	.6033-02	4.013	31.42	576.2
249	.85000	.20000	920.00	.1416	.1168	.1365	.2537-02	.2092-02	.2445-02	1.522	10.91	548.1
249	.85000	.40000	921.00	.1120	.9240-01	.1081	.2006-02	.1655-02	.1937-02	1.209	8.970	545.2
249	.90000	.00000	922.00	.2312	.1900	.1994	.4142-02	.3404-02	.3573-02	2.437	19.24	559.4
249	.90000	.20000	923.00	.2219	.1828	.2126	.3975-02	.3275-02	.3808-02	2.371	17.55	551.1
249	.90000	.40000	924.00	.1839	.1516	.1768	.3295-02	.2715-02	.3167-02	1.968	14.09	550.6
249	.90000	.60000	925.00	.1554	.1314	.1538	.2855-02	.2355-02	.2755-02	1.712	12.28	548.1
249	.90000	.80000	926.00	.1027	.8480-01	.9930-01	.1840-02	.1519-02	.1779-02	1.109	7.968	544.9
249	.90000	.00000	927.00	.7170-01	.5920-01	.7080-01	.1284-02	.1051-02	.1269-02	.7790	6.094	541.4
249	.90000	.20000	928.00	.5650-01	.4830-01	.5890-01	.1047-02	.8658-03	.1055-02	.6360	5.074	540.1
249	.90000	.40000	929.00	.1314	.1085	.1137	.2354-02	.1943-02	.2038-02	1.418	10.53	545.3
249	.95000	.60000	930.00	.1820	.1500	.1708	.3261-02	.2688-02	.3060-02	1.950	13.57	549.8
249	.95000	.80000	931.00	.1792	.1475	.1706	.3208-02	.2643-02	.3056-02	1.917	14.19	550.2
249	.95000	.00000	932.00	.1776	.1464	.17.2	.3183-02	.2624-02	.3066-02	1.905	13.23	549.1
249	.95000	.20000	933.00	.1687	.1391	.1629	.3022-02	.2492-02	.2918-02	1.810	12.98	548.7
249	.95000	.40000	934.00	.1155	.9530-01	.11.8	.2069-02	.1707-02	.2002-02	1.246	9.246	545.4
249	.95000	.60000	935.00	.6690-01	.5590-01	.6730-01	.1235-02	.1020-02	.1206-02	.7480	5.654	542.1
249	.95000	.80000	936.00	.6950-01	.5740-01	.69.0-01	.1245-02	.1029-02	.1237-02	.7560	5.625	540.5
249	.95000	.00000	937.00	.4830-01	.4000-01	.4660-01	.8658-03	.7159-03	.8713-03	.5270	3.993	538.8

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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LOWER WING

OH-49B (AEDC V41B-57A) OR3ITER LOWER WING

(RVIL14)

PARAMETRIC DATA

ALPHA = 31.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BUFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.5 /FT	ALP 4A DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
230	7.940	1.025	30.00	.0000	180.0	210.8	.2300-01	1265.	93.00	1.000	3751.	.2046-04
231	7.940	1.022	30.01	.0000	180.0	200.5	.2300-01	1267.	93.10	.9990	3754.	.2040-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
230	.7485-07	.2445-01	0.0175
231	.7495-07	.2444-01	.4019-01

TEST DATA

RUN NUMBER	2Y/R	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
231	.3000	.0000	845.00	.3930-01	.3240-01	.3400-01	.9612-03	.7919-03	.8308-03	.5700	6.336	547.5
231	.3000	.5000-01	846.00	.1296	.1063	.1216	.3167-02	.2597-02	.2973-02	1.827	20.16	563.3
231	.3000	.1000+00	847.00	.1200	.9850-01	.1133	.2932-02	.2407-02	.2769-02	1.703	14.48	559.4
231	.3000	.2000	848.00	.1047	.8600-01	.9980-01	.2558-02	.2102-02	.2440-02	1.494	10.67	556.3
231	.3000	.4000	850.00	.6000-01	.4930-01	.5770-01	.1466-02	.1204-02	.1410-02	.8540	6.093	557.8
231	.3000	.5000	851.00	.4540-01	.3730-01	.4400-01	.1109-02	.9112-03	.1075-02	.6470	4.769	557.4
231	.3000	.6000	852.00	.4330-01	.3560-01	.4190-01	.1058-02	.8690-03	.1025-02	.6170	4.556	556.5
231	.3000	.7000	853.00	.3870-01	.3180-01	.3760-01	.9457-03	.7774-03	.9178-03	.5530	3.954	555.2
231	.3000	.8000	854.00	.3320-01	.3220-01	.3830-01	.9581-03	.7881-03	.9352-03	.5630	4.160	553.0
231	.3000	.9000	855.00	.2470-01	.2040-01	.2470-01	.6046-03	.4986-03	.6660-03	.3500	2.844	544.0
231	.3000	.0000	856.00	.2700-01	.2230-01	.2730-01	.6604-03	.5451-03	.6660-03	.3950	2.844	541.8
231	.3500	.0000	857.00	.9990-01	.8200-01	.8610-01	.2441-02	.2005-02	.2105-02	1.424	12.12	556.9
231	.4000	.0000	858.00	.1890	.1537	.1615	.4594-02	.3756-02	.3947-02	2.607	26.02	572.7
231	.4000	.5000-01	859.00	.3500	.2857	.3215	.8553-02	.6982-02	.7856-02	4.815	34.03	577.3
231	.4000	.1000+00	860.00	.2236	.1831	.2108	.5464-02	.4474-02	.5152-02	3.129	22.22	567.6
231	.4000	.2000	861.00	.1227	.1007	.1181	.2999-02	.2460-02	.2886-02	1.734	12.76	561.9
231	.4000	.3000	862.00	.9760-01	.8010-01	.9450-01	.2384-02	.1957-02	.2310-02	1.383	9.859	560.2
231	.4000	.4000	863.00	.8030-01	.6590-01	.7780-01	.1961-02	.1611-02	.1901-02	1.141	8.700	558.6
231	.4000	.5000	864.00	.7060-01	.5810-01	.6830-01	.1726-02	.1419-02	.1669-02	1.010	6.778	555.4

(RVIL14)

AEDC VKF V4(B-57A (OH-498) COLLA) ON DECK

DATE 25 AUG 76

OH-498 (AEDC V4(B-57A) OR31TER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(970) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
231	40000	70000	865.00	.8130-01	.6680-01	.7830-01	.1987-02	.1633-02	.1325-02	1.162	7.797	555.7
231	40000	75000	866.00	.7110-01	.5850-01	.6920-01	.1739-02	.1429-02	.1691-02	1.019	7.532	553.8
231	40000	85000	867.00	.5640-01	.4640-01	.5530-01	.1378-02	.1135-02	.1363-02	8.150	6.142	548.7
231	40000	90000	868.00	.4670-01	.3850-01	.4700-01	.1141-02	.0907-03	.1149-02	6.780	5.800	546.5
231	40000	95000	869.00	.3860-01	.3190-01	.3920-01	.0944-03	.0778-03	.0974-03	5.630	4.560	544.3
231	50000	00700	871.00	.5472	.4422	.4660	.1337-01	.1081-01	.1139-01	7.135	57.06	606.7
231	50000	50000-01	872.00	.3541	.2891	.3272	.0654-02	.0654-02	.0654-02	4.874	36.83	577.0
231	50000	10000+00	873.00	.2066	.1694	.1966	.5043-02	.4139-02	.4604-02	2.911	21.41	563.7
231	50000	20000	874.00	.1386	.1138	.1337	.3387-02	.2780-02	.3268-02	1.966	14.01	559.9
231	50000	30000	875.00	.1188	.0970-01	.1149	.2903-02	.2384-02	.2807-02	1.688	12.04	558.8
231	50000	40000	876.00	.0940-01	.0800-01	.0950-01	.2404-02	.1975-02	.2327-02	1.401	9.999	557.5
231	50000	50000	877.00	.0830-01	.0560-01	.0680-01	.1684-02	.1384-02	.1632-02	9.860	6.824	554.9
231	50000	60000	878.00	.3720-01	.3070-01	.3610-01	.5084-03	.7491-03	.8827-03	5.410	4.228	544.7
231	50000	00000	879.00	.7166	.5695	.6015	.1751-01	.1389-01	.1470-01	8.520	69.17	653.7
231	60000	00000	880.00	.4548	.3564	.3863	.1111-01	.0953-02	.0941-02	5.835	52.28	615.3
231	60000	25000-01	881.00	.4975	.4036	.4472	.1216-01	.0962-02	.1093-01	6.615	49.51	596.3
231	60000	50000-01	882.00	.2752	.2244	.2519	.6725-02	.5483-02	.6230-02	3.760	35.74	581.3
231	60000	75000-01	883.00	.2813	.2299	.2559	.6873-02	.5618-02	.6497-02	28.51	28.51	573.5
231	60000	10000+00	884.00	.2127	.1744	.2033	.5159-02	.4263-02	.4969-02	3.001	21.36	562.9
231	60000	20000	885.00	.1453	.1193	.1405	.3551-02	.2916-02	.3434-02	2.065	14.76	557.8
231	60000	30000	886.00	.1353	.1111	.1309	.3307-02	.2715-02	.3198-02	1.923	12.69	558.7
231	60000	40000	887.00	.1212	.0950-01	.1170	.2961-02	.2431-02	.2650-02	1.719	11.88	559.6
231	60000	50000	888.00	.1057	.0760-01	.1033	.2605-02	.2141-02	.2525-02	1.521	10.52	556.9
231	60000	60000	889.00	.0920-01	.0734-01	.0860-01	.2182-02	.1794-02	.2116-02	1.279	8.856	554.3
231	60000	80000	891.00	.5160-01	.4250-01	.5100-01	.1261-02	.1030-02	.1247-02	.7460	5.523	548.9
231	60000	90000	892.00	.6130-01	.5050-01	.6040-01	.1497-02	.1234-02	.1468-02	8.880	6.478	547.1
231	60000	95000	893.00	.5170-01	.4260-01	.5210-01	.1263-02	.1042-02	.1274-02	7.520	5.680	544.6
231	60000	00000	894.00	.3770-01	.3110-01	.3620-01	.9210-03	.7601-03	.9335-03	5.510	4.165	541.9
231	65000	00000	895.00	.3277	.2656	.2797	.8009-02	.6491-02	.6835-02	4.338	36.17	599.6
231	70000	00000	896.00	.1634	.1332	.1401	.3932-02	.3255-02	.3423-02	2.233	28.73	580.9
231	70000	25000-01	897.00	.2318	.1896	.2066	.5665-02	.4634-02	.5093-02	3.226	29.54	570.9
231	70000	50000+00	898.00	.2142	.1757	.2043	.5235-02	.4294-02	.4593-02	3.027	20.88	562.1
231	70000	10000	899.00	.1773	.1456	.1709	.4332-02	.3558-02	.4175-02	2.521	15.49	558.3
231	70000	20000	900.00	.1474	.1212	.1427	.502-02	.2951-02	.3488-02	2.108	12.97	555.1
231	70000	30000	901.00	.1254	.1031	.1214	.3064-02	.2519-02	.2967-02	1.795	11.37	554.2
231	70000	40000	902.00	.1098	.0850-01	.1095	.2659-02	.2187-02	.2578-02	1.560	9.881	553.7
231	70000	50000	903.00	.5730-01	.4720-01	.5760-01	.1400-02	.1154-02	.1409-02	8.330	5.9.3	545.1
231	75000	00000	904.00	.1973	.1532	.1540	.4650-02	.3818-02	.4009-02	2.704	21.25	558.7
231	75000	25000-01	905.00	.3507	.2854	.3141	.8571-02	.6974-02	.7675-02	4.744	36.95	586.8
231	75000	50000	906.00	.2939	.2435	.2801	.7328-02	.6000-02	.6845-02	4.196	30.79	567.7
231	75000	10000+00	907.00	.2327	.1909	.2219	.5665-02	.4664-02	.5423-02	3.287	22.67	562.3
231	75000	20000	908.00	.1442	.1185	.1391	.3524-02	.2896-02	.3399-02	2.061	14.26	555.5
231	75000	30000	909.00	.1312	.1079	.1269	.3206-02	.2637-02	.3100-02	1.884	11.94	552.5

DATE 25 AUG 76

AEDC VKF V41B-57A 'CH-198) COLLATION DECK

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(RVIL14)

OH-49B (AEDC V41B-57A) OR3ITER LOWER WING

RUN NUMBER	2V/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TH DEG. R
231	.75000	.40000	910.00	.1195	.9830-01	.1156	.2920-02	.2402-02	.2024-02	1.714	11.15	553.1
231	.75000	.60000	911.00	.1068	.8790-01	.1036	.2610-02	.2148-02	.2531-02	1.538	10.34	551.2
231	.75000	.80000	912.00	.0830-01	.5630-01	.6760-01	.1670-02	.1376-02	.1651-02	.9880	8.136	548.5
231	.75000	.90000	913.00	.5940-01	.4900-01	.5970-01	.1451-02	.1197-02	.1460-02	.8650	6.322	543.9
231	.75000	.95000	914.00	.4300-01	.3550-01	.4350-01	.1050-02	.8667-03	.1063-02	.6280	4.747	542.3
231	.80000	.00000	915.00	.3214	.2609	.2747	.7854-02	.6376-02	.6712-02	4.293	38.88	593.7
231	.80000	.20000	916.00	.1473	.1211	.1422	.3599-02	.2302-02	.3474-02	2.110	14.62	553.9
231	.80000	.40000	917.00	.1143	.9420-01	.1106	.2798-02	.2302-02	.2704-02	1.643	11.76	553.0
231	.80000	.60000	918.00	.6530-01	.5380-01	.6560-01	.1595-02	.1315-02	.1604-02	.9500	6.934	545.0
231	.85000	.00000	919.00	.3924	.3186	.3354	.9590-02	.785-02	.8196-02	5.244	40.70	593.5
231	.85000	.20000	920.00	.1525	.1254	.1469	.3728-02	.3064-02	.3590-02	2.181	15.58	555.3
231	.85000	.40000	921.00	.1329	.1092	.1283	.3248-02	.2669-02	.3135-02	1.898	14.01	556.1
231	.90000	.00000	922.00	.2280	.1865	.1960	.557-02	.4558-02	.4790-02	3.172	24.89	571.1
231	.90000	.10000	923.00	.2299	.1887	.2200	.5617-02	.4611-02	.5377-02	3.261	24.03	559.7
231	.90000	.20000	924.00	.1807	.1485	.1736	.4417-02	.3628-02	.4243-02	2.574	18.37	557.4
231	.90000	.30000	925.00	.1542	.1268	.1486	.3768-02	.3098-02	.3632-02	2.209	15.80	554.0
231	.90000	.40000	926.00	.1430	.1175	.1382	.3495-02	.2872-02	.3376-02	2.043	14.60	555.7
231	.90000	.50000	927.00	.1073	.8630-01	.1059	.2623-02	.2158-02	.2589-02	1.543	12.02	551.9
231	.90000	.60000	928.00	.7140-01	.5690-01	.7200-01	.1746-02	.1434-02	.1759-02	1.037	8.238	546.5
231	.90000	.70000	929.00	.1305	.1074	.1127	.3168-02	.2623-02	.2753-02	1.876	13.88	551.9
231	.90000	.80000	930.00	.1783	.1465	.1672	.4358-02	.3581-02	.4085-02	2.543	18.16	556.8
231	.90000	.90000	931.00	.1805	.1464	.1719	.4413-02	.3626-02	.4201-02	2.574	18.99	556.8
231	.95000	.00000	932.00	.1788	.1469	.1722	.4370-02	.3590-02	.4207-02	2.550	17.64	556.7
231	.95000	.10000	933.00	.1641	.1418	.1583	.4009-02	.3295-02	.3869-02	2.343	16.74	555.8
231	.95000	.20000	934.00	.1691	.9620-01	.1583	.2857-02	.2351-02	.2764-02	1.680	12.43	552.2
231	.95000	.30000	935.00	.1182	.9730-01	.1131	.2889-02	.2377-02	.2620-02	1.698	12.77	552.6
231	.95000	.40000	936.00	.1278	.1051	.1469	.3122-02	.2569-02	.3102-02	1.839	13.61	551.3
231	.95000	.50000	937.00	.8890-01	.7330-01	.6950-01	.2173-02	.1791-02	.2187-02	1.289	9.120	547.0

DATE 25 AUG 76 AEDC VKF V41B-57A (04-498) COLLATION DECK

04-498 (AEDC V41B-57A) OR31TER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 33.00 BETA = .0000 ELEVTR = .0000 SPDRBK = .0000
BDCLP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL CEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
217	8.000	3.774	30.07	.0000	180.0	859 1	.8800-01	1336.	96.80	3.942	3857.	.7627-04
218	8.000	3.778	30.06	.0000	180.0	858 3	.8800-01	1334.	96.70	3.933	3854.	.7629-04

RUN NUMBER	MU	REF BTU/ R FT2SEC	ST FR R =
217	.7753-07	.4899-01	0.0175
218	.7784-07	.4896-01	.2093-01

TEST DATA

RUN NUMBER	2Y/B	X/C	I/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAU BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
218	.30000	.00000	845.00	.3930-01	.3260-01	.34 0-01	.1824-02	.1591-02	.1670-02	1.241	13.75	555.5
218	.30000	.50000-01	845.00	.1152	.9760-01	.11 9	.5838-02	.4781-02	.5476-02	3.523	38.21	597.3
218	.30000	.10000+00	847.00	.1066	.8760-01	.1037	.5219-02	.4283-02	.4929-02	3.213	26.97	585.1
218	.30000	.20000	848.00	.1032	.8500-01	.9840-01	.5050-02	.4161-02	.4819-02	3.150	22.27	577.0
218	.30000	.40000	850.00	.5340-01	.4390-01	.5130-01	.2613-02	.2149-02	.2513-02	1.617	11.40	581.9
218	.30000	.50000	851.00	.5570-01	.4570-01	.5390-01	.2725-02	.2240-02	.2641-02	1.677	12.20	585.5
218	.30000	.60000	852.00	.8860-01	.7280-01	.8590-01	.4340-02	.3565-02	.4204-02	2.644	19.36	587.1
218	.30000	.70000	853.00	.1411	.1157	.1368	.6906-02	.5663-02	.6668-02	4.197	29.43	593.0
218	.30000	.80000	854.00	.1941	.1589	.392	.9501-02	.7778-02	.9265-02	5.723	41.37	598.4
218	.30000	.90000	855.00	.1140	.9410 01	.1138	.5930-02	.4606-02	.5571-02	3.522	25.40	593.6
218	.30000	.95000	856.00	.9940-01	.8220-01	.1002	.4668-02	.4023-02	.4907-02	3.093	21.99	565.3
218	.35000	.00000	857.00	.9780-01	.8060-01	.8460-01	.4789-02	.3942-02	.4142-02	3.000	25.32	574.4
218	.40000	.00000	858.00	.1844	.1502	.1580	.9030-02	.7354-02	.7737-02	5.287	51.68	615.3
218	.40000	.50000-01	859.00	.3462	.2604	.3168	.1655-01	.1373-01	.1551-01	9.636	66.29	632.3
218	.40000	.10000+00	860.00	.2265	.1847	.2132	.1109-01	.9043-02	.1044-01	6.545	45.51	610.5
218	.40000	.20000	861.00	.1249	.1024	.1201	.6113-02	.5012-02	.5882-02	3.711	25.88	593.7
218	.40000	.30000	862.00	.9980-01	.8180-01	.9660-01	.4884-02	.4006-02	.4730-02	2.975	23.87	591.8
218	.40000	.40000	863.00	.8110-01	.6050-01	.7860-01	.3972-02	.3259-02	.3848-02	2.421	18.20	590.5
218	.40000	.60000	864.00	.1178	.9570-01	.1136	.5765-02	.4736-02	.5572-02	3.539	23.39	583.9

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AEDC VKF V41B-57A (JH-98B) COLLATION DECK

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(RVIL14)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAN BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
218	40000	70000	865.00	.1466	.1204	.1420	.180-02	.5894-02	.6954-02	4.389	28.96	589.5
218	40000	75000	866.00	.1441	.1184	.1402	.7056-02	.5798-02	.6863-02	4.339	31.56	585.9
218	40000	85000	867.00	.1368	.1127	.1353	.6696-02	.5518-02	.6622-02	4.185	31.11	575.7
218	40000	90000	868.00	.1171	.9660-01	.1178	.5734-02	.4730-02	.5769-02	3.601	30.42	572.8
218	40000	95000	869.00	.1048	.8650-01	.1062	.5129-02	.4234-02	.5197-02	3.240	25.02	569.0
218	50000	00000	871.00	.5297	.4185	.4433	.2593-01	.2049-01	.2171-01	13.03	99.72	698.4
218	50000	50000-01	872.00	.3609	.2911	.3317	.1767-01	.1425-01	.1624-01	9.839	71.95	643.9
218	50000	10000-00	873.00	.2218	.1809	.2107	.1086-01	.8957-02	.1032-01	6.409	46.05	610.6
218	50000	20000	874.00	.1473	.1207	.1421	.7214-02	.5911-02	.6956-02	4.364	30.57	595.8
218	50000	30000	875.00	.1251	.1026	.1209	.6125-02	.5023-02	.5920-02	3.727	26.15	592.2
218	50000	40000	876.00	.1097	.9000-01	.1062	.5371-02	.4406-02	.5197-02	3.274	22.98	591.1
218	50000	50000	877.00	.9580-01	.7950-01	.9380-01	.4740-02	.3891-02	.4593-02	2.899	19.73	589.2
218	50000	60000	878.00	.7930-01	.6600-01	.7760-01	.3912-02	.3229-02	.3801-02	2.468	19.04	570.0
218	55000	00000	879.00	.6031	.4573	.4889	.2553-01	.2239-01	.2393-01	12.36	94.57	782.0
218	60000	00000	880.00	.4398	.3445	.3657	.2153-01	.1687-01	.1750-01	10.39	88.67	718.1
218	60000	25000-01	881.00	.5095	.4041	.4523	.2495-01	.1978-01	.2214-01	12.75	91.24	689.7
218	60000	50000-01	882.00	.2927	.2348	.2693	.1433-01	.1150-01	.1318-01	7.752	70.93	659.9
218	60000	75000-01	883.00	.2994	.2417	.2819	.1466-01	.1183-01	.1380-01	6.200	58.04	641.3
218	60000	10000-00	884.00	.2285	.1860	.2180	.1119-01	.9105-02	.1067-01	6.525	45.21	617.6
218	62000	20000	885.00	.1577	.1291	.1524	.7721-02	.6319-02	.7460-02	4.643	32.46	599.4
218	60000	30000	886.00	.1518	.1242	.1467	.7434-02	.6082-02	.7182-02	4.465	29.31	600.2
218	60000	40000	887.00	.1441	.1180	.1391	.7056-02	.5776-02	.6810-02	4.247	28.77	598.9
218	60000	50000	888.00	.1400	.1147	.1355	.6854-02	.5618-02	.6636-02	4.155	28.21	594.5
218	60000	60000	889.00	.1272	.1044	.1233	.6229-02	.5113-02	.6036-02	3.807	25.91	589.7
218	60000	80000	891.00	.8860-01	.7300-01	.8770-01	.4329-02	.3576-02	.4292-02	2.712	19.82	575.9
218	60000	85000	892.00	.9860-01	.8150-01	.9810-01	.4835-02	.3988-02	.4805-02	3.038	21.87	572.5
218	60000	90000	893.00	.8990-01	.7340-01	.8960-01	.4350-02	.3593-02	.4335-02	2.754	20.55	567.7
218	65000	00000	894.00	.7300-01	.6040-01	.7400-01	.3574-02	.2956-02	.3621-02	2.202	17.02	562.3
218	70000	00000	895.00	.3121	.2494	.2635	.1528-01	.1221-01	.1290-01	8.099	51.72	670.8
218	70000	00000	896.00	.1554	.1265	.1334	.356-02	.6198-02	.6530-02	4.343	54.45	633.5
218	70000	25000-01	897.00	.2314	.1880	.2074	.1133-01	.9205-02	.1016-01	6.549	58.47	622.7
218	70000	10000-00	898.00	.2175	.1772	.2071	.1065-01	.8676-02	.1014-01	6.242	41.96	614.7
218	70000	20000	899.00	.1853	.1516	.1784	.9074-02	.7421-02	.8736-02	5.435	32.68	601.9
218	70000	30000	900.00	.1575	.1290	.1524	.7709-02	.6317-02	.7461-02	4.667	28.15	595.4
218	70000	40000	901.00	.1552	.1272	.1502	.7600-02	.6226-02	.7354-02	4.596	28.51	596.1
218	70000	50000	902.00	.2175	.1779	.2106	.165-01	.8709-02	.1031-01	6.386	39.51	601.0
218	70000	60000	903.00	.1712	.1402	.1722	.8981-02	.8996-02	.8433-02	5.192	36.62	581.3
218	75000	00000	904.00	.2571	.2091	.2201	.1259-01	.1024-01	.1077-01	7.320	56.11	619.2
218	75000	25000-01	905.00	.3705	.2975	.3292	.1814-01	.1457-01	.1612-01	9.856	74.27	656.8
218	75000	50000-01	906.00	.4154	.3356	.3860	.2034-01	.1643-01	.1890-01	11.41	80.87	639.5
218	75000	10000-00	907.00	.3706	.2994	.3520	.1814-01	.1466-01	.1723-01	10.18	67.59	639.8
218	75000	20000	908.00	.2051	.1675	.1975	.1004-01	.8199-02	.9671-02	5.963	40.24	606.9
218	75000	30000	909.00	.1381	.1133	.1334	.6761-02	.5546-02	.6532-02	4.118	25.60	591.7

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(RVIL14)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
218	.75000	.40000	910.00	.1286	.1055	.1243	.6298-02	.5163-02	.6097-02	3.824	24.44	593.7
218	.75000	.60000	911.00	.2400	.1964	.2324	.1175-01	.9616-02	.1138-01	7.059	46.34	600.1
218	.75000	.80000	912.00	.2142	.1754	.2116	.1048-01	.8588-02	.1036-01	6.335	50.92	596.6
218	.75000	.90000	913.00	.1854	.1526	.1865	.9077-02	.7472-02	.9130-02	5.639	40.46	579.6
218	.75000	.95000	914.00	.1473	.1214	.1491	.7213-02	.5942-02	.7300-02	4.500	33.43	576.9
218	.80000	.00000	915.00	.3563	.2852	.3012	.1744-01	.1396-01	.1475-01	9.337	81.66	665.5
218	.80000	.20000	916.00	.5065	.4081	.4867	.2480-01	.1998-01	.2383-01	13.72	90.76	647.6
218	.80000	.40000	917.00	.2038	.1663	.1966	.9979-02	.8143-02	.9625-02	5.905	41.09	609.1
218	.80000	.60000	918.00	.2035	.1671	.2045	.9961-02	.8181-02	.1001-01	6.106	43.64	587.8
218	.85000	.00000	919.00	.4040	.3241	.3422	.1978-01	.1587-01	.1675-01	10.70	80.44	659.8
218	.85000	.20000	920.00	.4573	.3692	.4385	.2739-01	.1807-01	.2147-01	12.52	85.72	641.7
218	.85000	.40000	921.00	.4973	.4005	.4779	.2435-01	.1951-01	.2340-01	13.44	94.75	649.0
218	.90000	.00000	922.00	.2276	.1856	.1952	.1114-01	.9085-02	.9556-02	6.559	50.45	612.2
218	.90000	.10000	923.00	.2786	.2278	.2664	.1364-01	.1115-01	.1334-01	8.165	58.91	602.2
218	.90000	.20000	924.00	.3880	.3141	.3714	.1900-01	.1538-01	.1818-01	10.78	74.11	633.4
218	.90000	.30000	925.00	.4380	.3540	.4207	.2145-01	.1733-01	.2060-01	12.05	82.61	639.1
218	.90000	.50000	926.00	.4187	.3388	.4032	.2050-01	.1659-01	.1974-01	11.61	79.77	634.5
218	.90000	.80000	927.00	.2919	.2381	.2878	.1429-01	.1163-01	.1409-01	8.443	63.87	610.0
218	.95000	.00000	928.00	.2408	.1971	.2426	.1179-01	.9650-02	.1189-01	7.094	54.92	599.1
218	.95000	.00000	929.00	.1268	.1047	.1098	.6208-02	.5125-02	.5376-02	3.921	28.76	569.2
218	.95000	.50000	930.00	.1853	.1528	.1742	.9102-02	.7481-02	.6530-02	5.607	39.49	584.7
218	.95000	.10000	931.00	.2052	.1684	.1952	.1005-01	.8245-02	.9559-02	6.138	44.55	589.8
218	.95000	.20000	932.00	.2948	.2407	.2834	.1443-01	.1178-01	.1387-01	8.558	57.72	607.9
218	.95000	.30000	933.00	.3721	.3017	.3581	.1822-01	.1477-01	.1753-01	10.41	71.68	629.7
218	.95000	.50000	934.00	.2991	.2434	.2687	.1464-01	.1192-01	.1413-01	8.543	61.17	617.4
218	.95000	.70000	935.00	.2363	.1933	.2304	.1157-01	.9462-02	.1128-01	6.936	50.91	601.2
218	.95000	.80000	936.00	.2298	.1884	.2263	.1125-01	.8225-02	.1118-01	6.831	49.49	593.7
218	.95000	.90000	937.00	.1690	.1391	.1701	.8276-02	.6809-02	.8327-02	5.124	37.98	581.6

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RV1L15)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
250	7.900	.5371	40.04	.0000	180.0	109.9	.1200-01	1273.	94.40	.5340	3762.	.1086-04
251	7.900	.5418	40.06	.0000	180.0	110.8	.1200-01	1273.	94.40	.5389	3761.	.1095-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
250	.7602-07	.1788-01	0.0175
251	.7600-07	.1795-01	.5521-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1(ISO) BTU/ R FT2SEC	H1(TO) BTU/ R FT2SEC	H1(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DT/NOT DEG. R /SEC	TH DEG. R
251	.30000	.00000	845.00	.4460-01	.3680-01	.3990-01	.7997-03	.6603-03	.7167-03	.4830	5.375	542.5
251	.30000	.50000-01	846.00	.1501	.1235	.1352	.2695-02	.2217-02	.2427-02	1.592	17.64	554.7
251	.30000	.10000+00	847.00	.1403	.1155	.1270	.2517-02	.2072-02	.2280-02	1.492	12.73	552.7
251	.30000	.20000	848.00	.1285	.1053	.1175	.2307-02	.1901-02	.2108-02	1.374	9.845	549.8
251	.30000	.40000	850.00	.8420-01	.6930-01	.7760-01	.1512-02	.1245-02	.1392-02	.8970	6.418	552.2
251	.30000	.50000	851.00	.7210-01	.5930-01	.6630-01	.1294-02	.1065-02	.1200-02	.7670	5.671	552.6
251	.30000	.60000	852.00	.6550-01	.5390-01	.6070-01	.1175-02	.9675-03	.1090-02	.6970	5.158	551.9
251	.30000	.70000	853.00	.5940-01	.4890-01	.5520-01	.1067-02	.8784-03	.9907-03	.6340	4.538	551.2
251	.30000	.80000	854.00	.6390-01	.5270-01	.5970-01	.1147-02	.9452-03	.1072-02	.6830	5.057	550.0
251	.30000	.90000	855.00	.3910-01	.3230-01	.3740-01	.7021-03	.5797-03	.6712-03	.4230	3.032	542.9
251	.30000	.95000	856.00	.4460-01	.3680-01	.4300-01	.7998-03	.6606-03	.7725-03	.4830	3.476	541.4
251	.35000	.00000	857.00	.1036	.8540-01	.9270-01	.1859-02	.1533-02	.1665-02	1.109	9.481	548.9
251	.40000	.00000	858.00	.1734	.1425	.1550	.3112-02	.2558-02	.2781-02	1.829	18.39	557.6
251	.40000	.50000-01	859.00	.3431	.2816	.3034	.6158-02	.5055-02	.5445-02	3.550	25.57	562.4
251	.40000	.10000+00	860.00	.2417	.1987	.2186	.4339-02	.3566-02	.3924-02	2.550	18.20	557.7
251	.40000	.20000	861.00	.1451	.1193	.1337	.2604-02	.2142-02	.2399-02	1.537	11.35	554.9
251	.40000	.30000	862.00	.1185	.9750-01	.1098	.2127-02	.1750-02	.1972-02	1.258	8.997	553.8
251	.40000	.40000	863.00	.9640-01	.7930-01	.8940-01	.1729-02	.1423-02	.1604-02	1.023	7.824	553.6
251	.40000	.60000	864.00	.8550-01	.7040-01	.7910-01	.1534-02	.1264-02	.1420-02	.9140	6.150	549.8

AEDC VKF V41B-57A (OH-498) COLLATION DECK

DATE 25 AUG 76

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DT/NOT DEG. R /SEC	TW DEG. R
251	40000	70000	865.00	8930-01	7350-01	8280-01	1602-02	1320-02	1486-02	9530	6.413	550.5
251	40000	75000	866.00	7700-01	6350-01	7170-01	1383-02	1140-02	1288-02	8240	6.105	549.2
251	40000	85000	867.00	6780-01	5590-01	6420-01	1217-02	1004-02	1152-02	7290	5.501	546.1
251	40000	90000	868.00	5660-01	4670-01	5450-01	1016-02	8382-03	9786-03	6100	5.228	544.5
251	40000	95000	869.00	4790-01	3960-01	4650-01	8603-03	7103-03	8353-03	5180	4.202	542.8
251	50000	00000	871.00	4835	3952	4307	8679-02	7093-02	7730-02	4940	40.11	576.1
251	50000-01	50000-01	872.00	3554	2916	3157	6379-02	5234-02	5667-02	3714	28.26	563.2
251	50000	10000+00	873.00	2180	1794	1988	3913-02	3219-02	3568-02	2311	17.07	554.8
251	50000	20000	874.00	1494	1230	1380	2681-02	2208-02	2477-02	1590	11.38	552.3
251	50000	30300	875.00	1193	9830-01	1105	2142-02	1764-02	1983-02	1273	9.113	551.3
251	50000	40000	876.00	1004	8270-01	9300-01	1802-02	1484-02	1670-02	1070	7.657	551.8
251	50000	50000	877.00	8980-01	7400-01	8340-01	1612-02	1328-02	1436-02	9590	6.654	550.6
251	50000	60000	878.00	5790-01	4780-01	5390-01	1039-02	8578-03	9668-03	6250	4.888	543.8
251	55000	00000	879.00	6278	5078	5558	1127-01	9115-02	9876-02	6088	50.40	606.9
251	60000	00000	880.00	5715	4629	5063	1026-01	8309-02	9028-02	5568	50.20	602.5
251	60000	25000-01	881.00	6874	5535	5950	1234-01	1004-01	1068-01	6870	51.62	588.5
251	60000	50000-01	882.00	3816	3119	3391	6849-02	5598-02	6086-02	3901	37.19	575.8
251	60000	75000-01	883.00	3888	3186	3320	5979-02	5718-02	6318-02	4029	29.56	568.1
251	60000	10000+00	884.00	2941	2941	2691	5278-02	4338-02	4831-02	3097	22.10	558.6
251	60000	20000	885.00	1819	1498	1684	3266-02	2688-02	3023-02	1935	13.85	552.7
251	60000	30000	886.00	1605	1322	1486	2882-02	2372-02	2667-02	1708	11.48	552.5
251	60000	40000	887.00	1348	1110	1247	2420-02	1992-02	2238-02	1435	9.945	552.5
251	60000	50000	888.00	1225	1009	1136	2198-02	811-02	2033-02	1307	9.069	550.7
251	60000	60000	889.00	1032	9000-01	1014	1561-02	1615-02	1819-02	1167	8.101	550.1
251	60000	7140-01	891.00	5890-01	6760-01	7820-01	1282-02	1057-02	1213-02	7680	5.699	546.1
251	60000	8220-01	892.00	6780-01	5820-01	6810-01	1475-02	1217-02	1403-02	8860	6.466	545.0
251	60000	90000	893.00	7050-01	5820-01	6810-01	1265-02	1045-02	1222-02	7630	5.763	542.8
251	65000	95000	894.00	5470-01	4520-01	5310-01	9810-03	8105-03	9526-03	5930	4.490	540.5
251	65000	00000	895.00	3602	2942	3207	6466-02	5281-02	5757-02	3667	30.88	578.3
251	70000	00000	896.00	1466	1219	1327	2567-02	2189-02	2381-02	1553	20.16	563.0
251	70000	25000-01	897.00	2468	2027	2145	4430-02	3639-02	3950-02	2593	23.87	560.1
251	70000	10000+00	898.00	2598	2136	2374	4664-02	3835-02	4260-02	2746	19.00	556.5
251	70000	20000	899.00	2089	1720	1928	3750-02	3087-02	3460-02	2221	13.08	553.0
251	70000	30000	900.00	1695	1397	1572	3043-02	2507-02	2821-02	1812	11.18	550.0
251	70000	40000	901.00	1510	1244	1400	2711-02	2233-02	2513-02	1615	10.25	549.7
251	70000	50000	902.00	1342	1106	1246	2409-02	1986-02	2226-02	1437	9.124	549.0
251	70000	60000	903.00	8130-01	6710-01	7830-01	1459-02	1204-02	1406-02	8780	6.312	543.6
251	70000	70000	904.00	1432	1181	1282	2570-02	2119-02	2301-02	1537	12.21	547.5
251	75000	25000-01	905.00	3296	2701	2855	5816-02	4448-02	5125-02	3417	26.87	567.8
251	75000	50000-01	906.00	3394	2787	3042	6091-02	5003-02	5461-02	3564	26.26	560.2
251	75000	10000+00	907.00	2945	2421	2690	5886-02	4345-02	4828-02	3105	21.46	558.0
251	75000	20000	908.00	2014	1658	1860	3615-02	2976-02	3338-02	2143	14.06	552.5
251	75000	30000	909.00	1720	1418	1592	3087-02	2544-02	2858-02	1841	11.69	549.1

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RVIL15)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(C9T0) BTU/ R FT2SEC	H(I10) BTU/ R FT2SEC	H(I1A1) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
251	.75000	.40000	910.00	.1493	.1231	.1383	.2680-02	.2209-02	.2482-02	1.598	10.45	519.1
251	.75000	.60000	911.00	.1350	.1113	.1253	.2422-02	.1997-02	.2249-02	1.449	9.766	547.3
251	.75000	.80000	912.00	.9290-01	.7660-01	.8790-01	.1667-02	.1375-02	.1578-02	1.000	8.241	545.8
251	.75000	.90000	913.00	.8520-01	.7040-01	.8210-01	.1530-02	.1263-02	.1474-02	.9230	6.747	542.2
251	.75000	.95000	914.00	.6160-01	.5090-01	.5980-01	.1106-02	.9141-03	.1073-02	.6590	5.060	540.8
251	.80000	.00000	915.00	.2629	.2155	.2346	.4720-02	.3868-02	.4211-02	2.729	25.04	567.2
251	.80000	.20000	916.00	.2334	.1922	.2156	.4189-02	.3449-02	.3870-02	2.487	17.24	551.8
251	.80000	.40000	917.00	.1551	.1278	.1435	.2784-02	.2394-02	.2576-02	1.658	11.68	549.9
251	.80000	.60000	918.00	.9040-01	.7460-01	.8700-01	.1522-02	.1339-02	.1561-02	.9760	7.134	543.4
251	.80000	.80000	919.00	.3004	.2464	.2682	.5352-02	.4423-02	.4813-02	3.130	24.65	564.8
251	.85000	.20000	920.00	.2118	.1743	.1952	.3802-02	.3128-02	.3504-02	2.247	16.06	554.5
251	.85000	.40000	921.00	.1658	.1355	.1531	.2975-02	.2450-02	.2749-02	1.767	13.08	551.3
251	.90000	.00000	922.00	.1728	.1422	.1546	.3102-02	.2552-02	.2774-02	1.835	14.53	553.8
251	.90000	.10000+00	923.00	.2287	.1883	.2097	.4105-02	.3380-02	.3764-02	2.435	18.01	552.3
251	.90000	.20000	924.00	.2171	.1786	.1996	.3896-02	.3206-02	.3583-02	2.304	16.48	553.9
251	.90000	.30000	925.00	.1999	.1645	.1844	.3568-02	.2953-02	.3310-02	2.126	15.21	552.8
251	.90000	.50000	926.00	.1671	.1377	.1546	.3000-02	.2471-02	.2775-02	1.795	12.78	550.5
251	.90000	.80000	927.00	.1182	.9750-01	.1117	.2122-02	.1750-02	.2004-02	1.272	9.936	545.8
251	.90000	.00000	929.00	.3020-01	.7450-01	.8700-01	.1619-02	.1336-02	.1562-02	.9740	7.747	544.1
251	.90000	.00000	930.00	.9320-01	.7700-01	.9350-01	.1673-02	.1392-02	.1503-02	1.010	7.506	541.9
251	.95000	.50000-01	931.00	.1490	.1229	.1341	.2674-02	.2205-02	.2408-02	1.600	11.48	547.0
251	.95000	.10000+00	932.00	.1671	.1377	.1525	.2999-02	.2471-02	.2737-02	1.736	13.23	549.8
251	.95000	.20000	933.00	.1932	.1591	.1781	.3468-02	.2856-02	.3197-02	2.059	14.28	551.7
251	.95000	.30000	934.00	.1832	.1556	.1748	.3356-02	.2786-02	.3137-02	2.016	14.43	551.8
251	.95000	.50000	935.00	.1423	.1173	.1318	.2555-02	.2106-02	.2366-02	1.525	11.30	548.4
251	.95000	.70000	936.00	.1213	.1000+00	.1133	.2177-02	.1795-02	.2034-02	1.303	9.825	546.9
251	.95000	.80000	937.00	.1207	.9360-01	.1148	.2167-02	.1788-02	.2061-02	1.302	9.665	544.6
251	.95000	.90000	937.00	.8260-01	.6320-01	.7960-01	.1482-02	.1254-02	.1428-02	.8940	6.758	542.1

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0007
BDFEAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
232	7.940	1.017	40.05	.0000	180.0	209.9	.2300-01	1269.	93.20	.9960	3756.	.2032-04
233	7.940	1.020	40.04	.0000	180.0	210.7	.2300-01	1269.	93.20	1.000	3757.	.2039-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =
232	.7506-07	.2441-01	0.0175
233	.7508-07	.2446-01	.4027-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
233	.30000	.00000	845.00	.4360-01	.3590-01	.3900-01	.1066-02	.8785-03	.9542-03	.6340	7.045	577.8
233	.30000	.50000-01	846.00	.1444	.1184	.1298	.3532-02	.2895-02	.3175-02	2.036	22.44	565.6
233	.30000	.10000-00	847.00	.1345	.1103	.1216	.3299-02	.2698-02	.2974-02	1.906	16.17	562.8
233	.30000	.20000	848.00	.1273	.1045	.1161	.3113-02	.2556-02	.2840-02	1.813	12.93	559.6
233	.30000	.40000	850.00	.7750-01	.6350-01	.7120-01	.1835-02	.1554-02	.1742-02	1.096	7.799	563.6
233	.30000	.50000	851.00	.640-01	.5280-01	.5970-01	.1575-02	.1291-02	.1459-02	.9100	6.690	564.3
233	.30000	.60000	852.00	.6170-01	.5060-01	.5710-01	.1510-02	.1238-02	.1398-02	.8730	6.417	564.0
233	.30000	.70000	853.00	.5660-01	.4640-01	.5250-01	.1364-02	.1135-02	.1283-02	.8020	5.709	562.7
233	.30000	.80000	854.00	.5393-01	.4830-01	.5490-01	.1439-02	.1181-02	.1342-02	.8360	6.153	561.4
233	.30000	.90000	855.00	.3930-01	.3250-01	.3770-01	.9660-03	.7956-03	.9230-03	.5730	4.172	549.2
233	.30000	.95000	856.00	.4710-01	.3880-01	.4540-01	.1151-02	.9484-03	.1111-02	.6850	4.914	547.0
233	.35000	.00000	857.00	.1015	.8340-01	.9070-01	.2481-02	.2039-02	.2217-02	1.451	12.35	557.5
233	.40000	.00000	858.00	.1715	.1404	.1529	.4193-02	.3433-02	.3738-02	2.401	24.01	569.4
233	.40000	.50000-01	859.00	.3434	.2804	.3026	.8397-02	.6658-02	.7401-02	4.748	33.57	576.7
233	.40000	.10000-00	860.00	.2394	.1959	.2160	.5856-02	.4792-02	.5283-02	3.346	23.73	570.7
233	.40000	.20000	861.00	.1470	.131	.1352	.3595-02	.2945-02	.3307-02	2.068	15.18	566.8
233	.40000	.30000	862.00	.1169	.9580-01	.1082	.2858-02	.2342-02	.2645-02	1.647	11.70	566.0
233	.40000	.40000	863.00	.1026	.8410-01	.9500-01	.2508-02	.2056-02	.2323-02	1.447	11.00	565.2
233	.40000	.60000	864.00	.8560-01	.7040-01	.7920-01	.2097-02	.1721-02	.1938-02	1.217	8.145	561.7

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
233	40000	70000	865.00	9190-01	7550-01	8520-01	.2249-02	.1846-02	.2083-02	1.307	8.746	561.0
233	40000	75000	865.00	7810-01	6410-01	7260-01	.1910-02	.1568-02	.1776-02	1.113	8.206	559.1
233	40000	85000	867.00	7120-01	5850-01	6730-01	.1741-02	.1432-02	.1647-02	1.022	7.679	554.9
233	40000	90000	868.00	6120-01	5030-01	5890-01	.1496-02	.1231-02	.1441-02	.8820	7.526	552.5
233	40000	95000	869.00	5410-01	4460-01	5250-01	.1324-02	.1090-02	.1285-02	.7840	6.331	549.9
233	50000	00000	871.00	4751	3859	4216	.1162-01	.9437-02	.1031-01	6.375	51.32	593.5
233	50000-01	50000-01	872.00	3520	2874	3117	.8603-02	.7028-02	.7823-02	4.857	36.68	578.0
233	10000-00	10000-00	873.00	2124	1740	1933	.5195-02	.4256-02	.4728-02	2.988	21.93	567.0
233	50000	20000	874.00	1458	1195	1344	.3565-02	.2933-02	.3287-02	2.060	14.65	564.2
233	50000	30000	875.00	1104	9060-01	1020	.2699-02	.2215-02	.2495-02	1.565	11.14	562.5
233	50000	40000	876.00	9720-01	7970-01	8990-01	.2377-02	.1950-02	.2200-02	1.378	9.815	561.8
233	50000	60000	877.00	8350-01	6850-01	7740-01	.2042-02	.1676-02	.1892-02	1.185	8.178	561.8
233	50000	50000	878.00	5810-01	4780-01	5400-01	.1420-02	.1169-02	.1320-02	.8390	6.539	551.0
233	50000	00000	879.00	6178	4946	5435	.1511-01	.1210-01	.1329-01	7.699	63.14	632.5
233	60000	00000	880.00	5697	4570	5018	.1393-01	.1118-01	.1227-01	7.171	63.88	627.4
233	60000	25000-01	881.00	6854	5535	5900	.1676-01	.1354-01	.1443-01	8.925	66.36	609.7
233	60000	50000-01	882.00	3795	3082	3360	.9281-02	.7538-02	.8216-02	5.094	48.15	593.2
233	60000	75000-01	883.00	3814	3108	3484	.9329-02	.7802-02	.8421-02	5.212	37.95	583.4
233	60000	10000-00	884.00	2913	2384	2651	.7124-02	.5829-02	.6507-02	4.070	28.86	570.7
233	60000	20000	885.00	1779	1452	1636	.4329-02	.3351-02	.4001-02	2.509	17.86	562.6
233	60000	30000	886.00	1559	1278	1440	.3812-02	.3125-02	.3522-02	2.198	14.68	565.5
233	60000	40000	887.00	1308	1072	1208	.3193-02	.2622-02	.2953-02	1.845	12.71	565.5
233	60000	50000	888.00	1216	9980-01	1016	.2975-02	.2440-02	.2755-02	1.724	11.89	562.5
233	60000	60000	889.00	1037	9000-01	1016	.2581-02	.2201-02	.2485-02	1.560	10.77	560.2
233	60000	80000	891.00	7430-01	6110-01	7030-01	.1617-02	.1494-02	.1718-02	1.066	7.874	555.2
233	60000	80000	892.00	6800-01	5240-01	6370-01	.1752-02	.1771-02	.2046-02	1.269	9.234	552.3
233	60000	90000	893.00	7310-01	6020-01	7050-01	.1787-02	.1771-02	.1725-02	1.058	7.965	550.0
233	60000	90000	894.00	5530-01	4560-01	5370-01	.1353-02	.1115-02	.1314-02	.8060	6.076	546.7
233	60000	00000	895.00	3497	2838	3102	.8553-02	.6842-02	.7586-02	4.676	39.05	595.4
233	70000	00000	896.00	1558	1273	1388	.3811-02	.3114-02	.3394-02	2.161	27.87	575.2
233	70000	25000-01	897.00	2445	2000	2119	.5960-02	.4892-02	.5182-02	3.410	31.22	571.9
233	70000	10000-00	898.00	2600	2129	2371	.6358-02	.5000-02	.5797-02	3.653	25.13	567.5
233	70000	20000	899.00	2020	1707	1917	.5087-02	.4174-02	.4687-02	2.953	18.11	561.6
233	70000	30000	900.00	1666	1368	1543	.4075-02	.3346-02	.3773-02	2.372	14.56	560.7
233	70000	40000	901.00	1426	1220	1376	.2634-02	.2333-02	.2634-02	2.112	13.33	560.7
233	70000	50000	902.00	1332	1093	1234	.2577-02	.2673-02	.3018-02	1.893	11.95	560.8
233	70000	60000	903.00	8750-01	7200-01	8420-01	.2139-02	.1762-02	.2050-02	1.266	9.072	550.1
233	75000	00000	904.00	1716	1412	1535	.4197-02	.3454-02	.3754-02	2.475	19.61	552.5
233	75000	25000-01	905.00	3258	2664	2820	.7931-02	.6515-02	.6895-02	4.476	34.95	582.0
233	75000	50000-01	906.00	3258	2750	3008	.8224-02	.6726-02	.7355-02	4.687	34.32	572.2
233	75000	10000-00	907.00	2909	2381	2652	.7115-02	.5824-02	.6486-02	4.073	23.00	569.6
233	75000	20000	908.00	2018	1657	1861	.4936-02	.4052-02	.4552-02	2.870	19.82	560.6
233	75000	30000	909.00	1695	1392	1567	.4144-02	.3404-02	.3831-02	2.418	15.28	558.6

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ACDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(OTO) BTU/ R FT2SEC	H(ITO) BTU/ R FT2SEC	H(TAW) BTU/ P FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
233	75000	.40000	910.00	.1484	.1219	.1373	.3630-02	.2981-02	.3357-02	2.115	13.75	559.4
233	75000	.60000	911.00	.1317	.1082	.1221	.3221-02	.2645-02	.2985-02	2.115	12.59	558.7
233	75000	.80000	912.00	.9550-01	.7850-01	.9030-01	.2337-02	.1921-02	.2209-02	1.370	11.23	556.0
233	75000	.90000	913.00	.8520-01	.7020-01	.8210-01	.2085-02	.1717-02	.2007-02	1.236	9.009	549.0
233	75000	.95000	914.00	.6230-01	.5140-01	.6040-01	.1524-02	.1256-02	.1477-02	.9060	6.833	547.5
233	80000	.00000	915.00	.2652	.2163	.2359	.6486-02	.5289-02	.5769-02	3.639	33.16	591.0
233	80000	.20000	916.00	.2064	.1694	.1904	.5047-02	.4144-02	.4657-02	2.938	20.29	560.0
233	80000	.40000	917.00	.1532	.1258	.1415	.3746-02	.3076-02	.3460-02	2.160	15.54	560.1
233	80000	.60000	918.00	.9200-01	.7580-01	.8850-01	.2251-02	.1853-02	.2165-02	1.331	9.690	550.7
233	85000	.00000	919.00	.2940	.2400	.2617	.7190-02	.5870-02	.6400-02	4.057	31.74	577.9
233	85000	.20000	920.00	.2132	.1749	.1962	.5213-02	.4278-02	.4799-02	3.025	21.55	561.8
233	85000	.40000	921.00	.1671	.1372	.1542	.4086-02	.3354-02	.3770-02	2.378	17.51	560.2
233	85000	.60000	922.00	.1709	.1402	.1526	.4179-02	.3429-02	.3731-02	2.428	19.15	561.1
233	90000	.00000	923.00	.2294	.1883	.2101	.5611-02	.4604-02	.5137-02	3.258	23.98	561.5
233	90000	.20000	924.00	.2105	.1727	.1933	.5147-02	.4223-02	.4727-02	2.901	21.24	562.5
233	90000	.40000	925.00	.2042	.1676	.1882	.4993-02	.4098-02	.4602-02	2.984	20.67	561.0
233	90000	.60000	926.00	.1654	.1358	.1528	.4044-02	.3321-02	.3736-02	2.357	16.81	559.3
233	90000	.80000	927.00	.1183	.9730-01	.1117	.2893-02	.2380-02	.2731-02	1.701	13.23	554.3
233	90000	.90000	928.00	.9280-01	.7640-01	.8950-01	.2269-02	.1868-02	.2188-02	1.342	10.84	550.6
233	95000	.00000	929.00	.9050-01	.7460-01	.8100-01	.2213-02	.1824-02	.1991-02	1.319	9.784	546.1
233	95000	.20000	930.00	.1478	.1215	.1329	.3614-02	.2973-02	.3249-02	2.124	15.19	554.3
233	95000	.40000	931.00	.1642	.1349	.1496	.4015-02	.3300-02	.3660-02	2.351	17.35	556.6
233	95000	.60000	932.00	.1913	.1571	.1762	.4679-02	.3843-02	.4308-02	2.728	18.85	559.0
233	95000	.80000	933.00	.1871	.1536	.1726	.4575-02	.3756-02	.4221-02	2.664	18.99	559.9
233	95000	.90000	934.00	.1385	.1138	.1281	.3387-02	.2783-02	.3133-02	1.980	14.60	557.5
233	95000	.00000	935.00	.1232	.1012	.1149	.3012-02	.2476-02	.2811-02	1.765	13.25	556.1
233	95000	.20000	936.00	.1274	.1049	.1211	.3116-02	.2564-02	.2961-02	1.837	13.58	552.6
233	95000	.40000	937.00	.8380-01	.6910-01	.8070-01	.2050-02	.1690-02	.1975-02	1.219	9.189	547.6

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL15)

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
219	8.000	3.760	40.09	.0000	180.0	858.4	.8800-01	1338.	97.00	3.939	3861.	.7606-04
220	8.000	3.773	40.10	.0000	180.0	861.0	.8800-01	1338.	97.00	3.951	3860.	.7630-04

RUN NUMBER	MU	LB-SEC. /FT2	HREF BTU/ R FT2SEC	ST FR R =
219	.7809-07	.4899-01		0.0175
220	.7807-07	.4936-01		.2096-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(UTO) BTU/ R FT2SEC	H(UTO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTADT DEG. R /SEC	TH DEG. R
220	.30000	.00000	845.00	.4420-01	.3670-01	.3970-01	.2170-02	.1799-02	.1949-02	1.407	15.58	556.0
220	.30000	.50000-01	846.00	.1337	.1093	.1200	.6559-02	.5360-02	.5886-02	3.926	42.41	605.8
220	.30000	.10000+00	847.00	.1205	.9820-01	.1089	.5910-02	.4846-02	.5341-02	3.603	30.10	594.7
220	.30000	.20000	848.00	.1230	.1011	.1122	.6032-02	.4958-02	.5506-02	3.725	26.20	586.9
220	.30000	.40000	850.00	.9760-01	.7990-01	.8970-01	.4789-02	.3922-02	.4398-02	2.899	20.27	599.1
220	.30000	.50000	851.00	.1622	.1324	.1499	.7959-02	.6495-02	.7356-02	4.726	33.95	610.6
220	.30000	.60000	852.00	.2502	.2037	.2309	.1227-01	.9994-02	.1133-01	7.197	51.52	618.1
220	.30000	.70000	853.00	.3215	.2609	.2968	.1577-01	.1280-01	.1456-01	9.091	62.67	628.1
220	.30000	.80000	854.00	.3345	.2713	.3105	.1641-01	.1331-01	.1523-01	9.423	67.05	630.2
220	.30000	.90000	855.00	.1857	.1524	.1772	.9110-02	.7478-02	.8695-02	5.587	39.86	591.1
220	.30000	.95000	856.00	.1688	.1397	.1628	.8280-02	.6806-02	.7587-02	5.117	36.00	586.4
220	.35000	.00000	857.00	.1053	.8630-01	.9430-01	.5167-02	.4258-02	.4626-02	3.240	27.31	577.2
220	.40000	.00000	858.00	.1764	.1440	.1571	.6557-02	.7067-02	.7707-02	5.151	50.50	609.3
220	.40000	.50000-01	859.00	.3483	.2822	.3053	.1709-01	.1385-01	.1498-01	9.773	67.23	632.4
220	.40000	.10000+00	860.00	.2606	.2120	.2343	.1278-01	.1040-01	.1149-01	7.460	51.61	620.8
220	.40000	.20000	861.00	.1845	.1505	.1693	.9050-02	.7385-02	.8307-02	5.370	38.58	610.9
220	.40000	.30000	862.00	.2073	.1689	.1914	.1017-01	.8289-02	.9391-02	5.989	41.54	615.6
220	.40000	.40000	863.00	.2444	.1989	.2256	.1199-01	.9759-02	.1107-01	7.012	51.88	619.7
220	.40000	.60000	864.00	.3638	.2961	.3350	.1785-01	.1453-01	.1643-01	10.45	67.94	619.2

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(RVIL15)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19T01 BTU/ R FT2SEC	H1T01 BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
220	40000	.70000	865.00	.3683	.2991	.3395	.1807-01	.1468-01	.1566-01	10.46	67.80	625.6
220	40000	.75000	866.00	.3220	.2621	.2983	.1800-01	.1286-01	.1464-01	9.258	66.26	618.3
220	40000	.80000	867.00	.2466	.2017	.2327	.1210-01	.9895-02	.1142-01	7.277	53.37	602.8
220	40000	.90000	868.00	.2131	.1745	.2050	.1046-01	.8560-02	.1006-01	6.315	52.60	600.5
220	40000	.95000	869.00	.1987	.1628	.1927	.9749-02	.7987-02	.9453-02	5.914	46.64	597.8
220	50000	.00000	871.00	.4748	.3808	.4183	.2330-01	.1868-01	.2052-01	12.63	98.31	662.4
220	50000	.50000-01	872.00	.3627	.2927	.3188	.1779-01	.1436-01	.1564-01	9.968	72.89	644.1
220	50000	.10000+00	873.00	.2416	.1967	.2191	.1185-01	.9648-02	.1075-01	6.944	49.70	618.5
220	50000	.20000	874.00	.1927	.1573	.1773	.9454-02	.7718-02	.8699-02	5.626	39.14	609.3
220	50000	.30000	875.00	.1990	.1625	.1835	.9765-02	.7971-02	.9005-02	5.809	40.41	609.5
220	50000	.40000	876.00	.2264	.1846	.2089	.1111-01	.9056-02	.1025-01	6.568	45.61	613.0
220	50000	.50000	877.00	.3158	.2570	.2915	.1549-01	.1261-01	.1430-01	9.065	60.80	619.3
220	50000	.60000	878.00	.2242	.1835	.2078	.1100-01	.9004-02	.1020-01	6.638	50.44	600.9
220	55000	.00000	879.00	.5700	.4437	.4931	.2797-01	.2177-01	.2419-01	13.14	102.7	734.4
220	60000	.00000	880.00	.5694	.4440	.4931	.2794-01	.2178-01	.2419-01	13.23	112.2	730.8
220	60000	.25000-01	881.00	.6780	.5333	.5724	.3325-01	.2616-01	.2808-01	16.40	116.2	711.3
220	60000	.50000-01	882.00	.4046	.3219	.3536	.1985-01	.1579-01	.1735-01	10.34	93.60	683.3
220	60000	.75000-01	883.00	.4155	.3329	.3717	.2038-01	.1633-01	.1823-01	11.00	77.02	664.5
220	60000	.10000+00	884.00	.3210	.2598	.2916	.1575-01	.1275-01	.1431-01	8.940	61.37	636.8
220	60000	.20000	885.00	.2163	.1763	.1993	.1061-01	.8648-02	.9779-02	6.251	43.36	615.3
220	60000	.30000	886.00	.2188	.1782	.2016	.1074-01	.8744-02	.9891-02	6.306	41.06	617.0
220	60000	.40000	887.00	.2142	.1744	.1971	.1051-01	.8557-02	.9670-02	6.166	41.39	617.7
220	60000	.50000	888.00	.2183	.1781	.2016	.1071-01	.8737-02	.9893-02	6.340	42.66	612.5
220	60000	.60000	889.00	.2259	.1852	.2097	.1113-01	.9067-02	.1029-01	6.626	44.66	609.1
220	60000	.80000	891.00	.2173	.1780	.2052	.1066-01	.8732-02	.1007-01	6.462	46.71	598.2
220	60000	.95000	892.00	.2382	.1952	.2261	.1168-01	.9578-02	.1109-01	7.109	50.60	596.0
220	60000	.00000	893.00	.2224	.1825	.2145	.1091-01	.8952-02	.1052-01	6.671	49.17	592.9
220	60000	.00000	894.00	.2229	.1829	.2145	.9464-02	.7780-02	.9181-02	5.851	43.26	586.2
220	65000	.00000	895.00	.3465	.2800	.3074	.1710-01	.1374-01	.1508-01	9.339	75.65	658.4
220	70000	.00000	896.00	.1637	.1332	.1455	.8032-02	.6537-02	.7137-02	4.699	59.33	619.3
220	70000	.25000-01	897.00	.2586	.2101	.2229	.1269-01	.1031-01	.1094-01	7.356	65.61	624.6
220	70000	.50000+00	898.00	.2830	.2294	.2567	.1383-01	.1126-01	.1253-01	7.959	53.08	631.1
220	70000	.75000	899.00	.2518	.2050	.2312	.1235-01	.1006-01	.1134-01	7.240	43.16	618.4
220	70000	.90000	900.00	.2165	.1767	.1999	.1062-01	.8670-02	.9809-02	6.309	37.78	610.5
220	70000	.00000	901.00	.2106	.1719	.1945	.1033-01	.8433-02	.9542-02	6.134	37.77	610.8
220	70000	.25000	902.00	.2186	.1785	.2020	.1012-01	.8755-02	.9912-02	6.383	39.34	609.1
220	70000	.50000	903.00	.2878	.2355	.2767	.1412-01	.1155-01	.1356-01	8.497	59.30	602.7
220	75000	.00000	904.00	.2220	.1818	.1990	.1089-01	.8918-02	.9714-02	6.582	50.92	600.2
220	75000	.25000-01	905.00	.3346	.2701	.2866	.1642-01	.1325-01	.1406-01	9.199	69.67	644.1
220	75000	.50000-01	906.00	.3445	.2785	.3060	.1630-01	.1367-01	.1501-01	9.568	67.82	638.3
220	75000	.75000	907.00	.3209	.2595	.2907	.1574-01	.1273-01	.1426-01	8.901	59.13	639.1
220	75000	.90000	908.00	.2412	.1962	.2215	.1184-01	.9626-02	.1087-01	6.900	46.23	621.4
220	75000	.00000	909.00	.2147	.1753	.1979	.1053-01	.8599-02	.9710-02	6.264	38.59	609.7

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AEDC VKF V41B-57A (OH-498) COLLATION CHECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
220	75000	40000	910.00	.2028	.1654	.1870	.9949-02	.8116-02	.9172-02	5.896	37.36	611.7
220	75000	60000	911.00	.1903	.1555	.1760	.9337-02	.7630-02	.8634-02	5.585	36.55	606.3
220	75000	80000	912.00	.3144	.2561	.2963	.1543-01	.1257-01	.1454-01	9.0F3	72.19	616.5
220	75000	90000	913.00	.3025	.2478	.2908	.1484-01	.1216-01	.1427-01	8.990	63.91	598.6
220	75000	95000	914.00	.2306	.1890	.2232	.1131-01	.9271-02	.1095-01	6.877	50.59	596.5
220	80000	00000	915.00	.2737	.2210	.2421	.1343-01	.1084-01	.1188-01	7.542	66.69	642.7
220	80000	20000	916.00	.2527	.2053	.2320	.1240-01	.1007-01	.1138-01	7.186	48.06	624.8
220	80000	40000	917.00	.2054	.1672	.1890	.1008-01	.8205-02	.9273-02	5.906	40.90	618.4
220	80000	60000	918.00	.3217	.2626	.3088	.1578-01	.1289-01	.1515-01	9.395	66.44	609.1
220	85000	00000	919.00	.3124	.2530	.2788	.1533-01	.1241-01	.1358-01	8.734	66.45	634.5
220	85000	20000	920.00	.2529	.2052	.2316	.1241-01	.1007-01	.1136-01	7.134	49.15	629.4
220	85000	40000	921.00	.2251	.1827	.2066	.1104-01	.8964-02	.1014-01	6.374	45.43	627.1
220	90000	00000	922.00	.1743	.1429	.1556	.8551-02	.7013-02	.7634-02	5.218	40.49	594.2
220	90000	10000+00	923.00	.2513	.2046	.2291	.1233-01	.1004-01	.1124-01	7.232	51.78	617.7
220	90000	20000	924.00	.2535	.2055	.2315	.1244-01	.1008-01	.1136-01	7.127	49.06	631.4
220	90000	30000	925.00	.2579	.2092	.2384	.1255-01	.1026-01	.1167-01	7.271	50.08	629.8
220	90000	40000	926.00	.2225	.1808	.2046	.1092-01	.8869-02	.1004-01	6.322	43.54	625.3
220	90000	50000	927.00	.3425	.2783	.3213	.1680-01	.1365-01	.1579-01	9.751	73.26	624.0
220	91000	60000	928.00	.3049	.2485	.2933	.1495-01	.1219-01	.1439-01	8.826	67.81	614.4
220	95000	00000	929.00	.1005	.8330-01	.2933	.4932-02	.4085-02	.4429-02	3.184	23.47	558.8
220	95000	50000-01	930.00	.1668	.1372	.1495	.8182-02	.6733-02	.7356-02	5.087	35.86	582.6
220	95000	10000+00	931.00	.1846	.1512	.1675	.9057-02	.7417-02	.8239-02	5.482	39.61	599.1
220	95000	20000	932.00	.2190	.1785	.2010	.1075-01	.8759-02	.9860-02	6.341	42.63	614.3
220	95000	30000	933.00	.2287	.1859	.2101	.1122-01	.9120-02	.1031-01	6.514	45.00	623.9
220	95000	40000	934.00	.1730	.1411	.1595	.8488-02	.6921-02	.7824-02	5.017	35.99	613.4
220	95000	50000	935.00	.3609	.2931	.3352	.1771-01	.1432-01	.1644-01	10.24	74.21	625.3
220	95000	60000	936.00	.3945	.3207	.3734	.1935-01	.1573-01	.1832-01	11.26	80.45	622.4
220	95000	70000	937.00	.2823	.2309	.2714	.1385-01	.1133-01	.1332-01	8.316	60.95	604.0

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V418-57A (OH-498) COLLATION CHECK

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OH-498 (AEDC V418-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUSS /FT3
240	7.900	.5413	19.98	.0000	180.0	109.4	.1200-01	1263.	93.70	.5310	3746.	.1090-04
241	7.900	.5462	19.98	.0000	180.0	110.3	.1200-01	1262.	93.60	.5360	3745.	.1099-04

RUN NUMBER	MACH	RV/L X10.6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUSS /FT3
240	7.900	.5413	19.98	.0000	180.0	109.4	.1200-01	1263.	93.70	.5310	3746.	.1090-04
241	7.900	.5462	19.98	.0000	180.0	110.3	.1200-01	1262.	93.60	.5360	3745.	.1099-04

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H19TC BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAM BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
241	30000	.00000	845.00	.3550-01	.3180-01	.3253-01	.6894-03	.5688-03	.5813-03	.4100	4.581	540.4
241	30000	.50000-01	846.00	.1049	.8630-01	.1031	.1876-02	.1544-02	.1844-02	1.100	12.21	549.6
241	30000	.10000+00	847.00	.3120-01	.7510-01	.9013-01	.1631-02	.1343-02	.1612-02	.9610	8.224	546.4
241	30000	.20000	848.00	.8270-01	.6823-01	.8253-01	.1480-02	.1219-02	.1476-02	.9750	6.290	544.2
241	30000	.40000	850.00	.5280-01	.4350-01	.5313-01	.9445-03	.7754-03	.9496-03	.5590	4.016	544.1
241	30000	.50000	851.00	.4280-01	.3530-01	.4343-01	.7657-03	.6313-03	.7755-03	.4540	3.371	543.1
241	30000	.60000	852.00	.3660-01	.3020-01	.3713-01	.6554-03	.5405-03	.6634-03	.3890	2.893	542.0
241	30000	.70000	853.00	.3320-01	.2740-01	.3423-01	.5941-03	.4932-03	.6023-03	.3530	2.545	540.8
241	30000	.80000	854.00	.3350-01	.2770-01	.3423-01	.5941-03	.4932-03	.6023-03	.3580	2.662	539.6
241	30000	.90000	855.00	.1560-01	.1290-01	.1623-01	.2790-03	.2336-03	.2838-03	.1680	1.229	535.2
241	30000	.00000	856.00	.1450-01	.1200-01	.1523-01	.2593-03	.2149-03	.2721-03	.1560	1.130	533.7
241	30000	.00000	857.00	.9070-01	.7470-01	.7633-01	.1622-02	.1336-02	.1355-02	.9550	8.166	547.4
241	40000	.00000	858.00	.2023	.1659	.1653	.3617-02	.2956-02	.3033-02	2.078	20.87	561.2
241	40000	.50000-01	859.00	.3439	.2845	.3339	.6204-02	.5088-02	.5971-02	3.570	25.44	560.4
241	40000	.10000+00	860.00	.1613	.1613	.1939	.3509-02	.2885-02	.3455-02	2.046	14.64	552.7
241	40000	.20000	861.00	.9570-01	.7680-01	.9533-01	.1711-02	.1409-02	.1722-02	1.007	7.468	547.1
241	40000	.30000	862.00	.5570-01	.5940-01	.7293-01	.1288-02	.1061-02	.1304-02	.7610	5.466	545.0
241	40000	.40000	863.00	.7500-01	.5940-01	.7293-01	.1288-02	.1061-02	.1304-02	.6210	4.775	543.4
241	40000	.50000	864.00	.5870-01	.4640-01	.5940-01	.1049-02	.8448-03	.1062-02	.6050	4.093	540.7
241	40000	.60000	864.00	.5690-01	.4650-01	.5750-01	.1017-02	.8392-03	.1028-02			

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OH-498 (AEDC V41B-57A) CRBT R LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(11A) BTU/R FT2SEC	QDOT BTU/R FT2SEC	DTMOT DEG/R /SEC	TW DEG/R
241	40000	70000	865.00	5800-01	4790-01	5870-01	1037-02	8557-03	1050-02	.6170	4.172	540.9
241	40000	75000	855.00	5430-01	4480-01	5520-01	9715-03	8017-03	9871-03	.5790	4.308	539.9
241	40000	85000	867.00	3860-01	3190-01	3920-01	6900-03	5698-03	7112-03	.4130	4.329	537.4
241	40000	90000	868.00	2930-01	2470-01	3130-01	5346-03	4416-03	5988-03	.3210	2.758	536.1
241	40000	95000	869.00	2020-01	1670-01	2130-01	3619-03	2991-03	5985-03	.2170	1.767	535.6
241	50000	00000	971.00	5689	4623	4721	1017-01	8267-02	8460-02	5.566	44.91	588.7
241	50000	50000-01	872.00	3031	2487	2935	5420-02	4448-02	5249-02	3.130	23.97	558.3
241	50000	10000+00	873.00	1663	1373	1662	2564-02	2456-02	2972-02	1.749	12.95	549.7
241	50000	20000	874.00	1194	9840-01	1204	2135-02	1759-02	2153-02	1.260	9.049	545.5
241	50000	30000	875.00	1025	8450-01	1036	1833-02	1510-02	1853-02	1.082	7.771	545.5
241	50000	40000	876.00	8880-01	7320-01	8950-01	1583-02	1309-02	1607-02	.9400	6.755	544.1
241	50000	50000	877.00	6750-01	5570-01	6830-01	1207-02	9554-03	1222-02	.7170	4.997	541.7
241	50000	90000	878.00	3050-01	2520-01	3050-01	5456-03	4508-03	5534-03	.3270	2.571	535.5
241	55000	00000	879.00	5639	4552	4662	1008-01	8141-02	8337-02	5.331	44.27	607.1
241	60000	00000	880.00	4074	3305	3363	7285-02	5910-02	6050-02	3.951	35.78	593.4
241	60000	25000-01	881.00	4729	3859	4458	5456-02	6902-02	7972-02	4.738	35.83	575.4
241	60000	50000-01	882.00	2529	2073	2457	4523-02	3706-02	4393-02	2.590	24.84	573.2
241	60000	75000-01	883.00	2457	2018	2433	4394-02	3508-02	4351-02	2.544	18.77	556.8
241	60000	10000+00	884.00	1794	1476	1794	3208-02	2639-02	3203-02	1.878	13.45	550.5
241	60000	20000	885.00	2540-01	7040-01	8670-01	1257-02	1259-02	1543-02	.9060	6.514	542.5
241	60000	30000	885.00	6370-01	5260-01	6440-01	1140-02	9400-03	1152-02	.6770	4.578	541.4
241	60000	40000	887.00	5730-01	4730-01	5720-01	1025-02	8457-03	1135-02	.6090	4.247	541.6
241	60000	50000	888.00	6260-01	5160-01	6310-01	1119-02	9233-03	1133-02	.6660	4.646	540.5
241	60000	60000	889.00	5920-01	4620-01	6000-01	1059-02	8733-03	1043-02	.6310	4.404	539.7
241	60000	80000	891.00	3520-01	2910-01	3630-01	6294-03	5195-03	6487-03	.3770	2.809	536.9
241	60000	85000	892.00	3810-01	3150-01	3950-01	6820-03	5635-03	7043-03	.4090	3.070	536.0
241	60000	90000	893.00	2970-01	2450-01	3110-01	5309-03	4388-03	5555-03	.3190	2.423	534.5
241	60000	95000	894.00	2250 01	1460-01	2260 01	4016-03	3321-03	4221-03	.2420	1.837	533.5
241	65000	00000	895.00	3463	2835	2901	6229-02	5070-02	5188-02	3.439	28.89	583.6
241	70000	00000	896.00	1878	1534	1569	3353-02	2743-02	3805-02	1.890	24.41	573.0
241	70000	25000-01	897.00	2279	1871	2145	4076-02	3345-02	3836-02	2.355	21.71	557.8
241	70000	50000	898.00	1575	1295	1572	2816-02	2318-02	2810-02	1.655	11.50	548.0
241	70000	80000	899.00	1077	6830-01	1085	1926-02	1567-02	1940-02	1.140	7.057	543.7
241	70000	90000	901.00	8210-01	5780-01	9310-01	1463-02	1212-02	1465-02	.8740	5.419	540.6
241	70000	901.00	901.00	9370-01	7730-01	9460-01	1676-02	1382-02	1696-02	.9960	6.345	541.8
241	70000	902.00	902.00	5630-01	8100-01	9950-01	1757-02	1449-02	1777-02	1.043	6.649	542.0
241	70000	903.00	903.00	3290-01	2720-01	3440-01	5873-03	4859-03	6145-03	.3530	2.552	534.6
241	70000	904.00	904.00	2081	1711	1749	3722-02	3059-02	3127-02	2.169	17.18	552.8
241	75000	00000-01	905.00	3802	3105	3564	6799-02	5552-02	6374-02	3.820	29.94	573.9
241	75000	25000 01	906.00	2344	2344	2790	5101-02	4191-02	4930-02	2.965	21.90	554.6
241	75000	50000	907.00	1983	1631	1979	3546-02	2917-02	3539-02	2.076	14.40	550.4
241	75000	10000+00	908.00	1072	6340-01	1081	1918-02	1532-02	1933-02	1.139	7.935	542.0
241	75000	20000	909.00	7850-01	6480-01	7930-01	1404-02	1159-02	1419-02	.8370	5.343	539.5

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) CREITER LOWER WING

(RVIL16)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT/SEC	H(10) BTU/ R FT/SEC	H(TAW) BTU/ R FT/SEC	QDOT BTU/ FT/SEC	DTMDT DEG. R /SEC	TM DEG. R
241	.75000	.40000	910.00	.6370-01	.5260-01	.6440-01	.1140-02	.9408-03	.1152-02	.6800	4.466	539.2
241	.75000	.60000	911.00	.6020-01	.4970-01	.6100-01	.1077-02	.8896-03	.1091-02	.6440	4.363	537.8
241	.75000	.80000	912.00	.5490-01	.4530-01	.5650-01	.9816-03	.8106-03	.1011-02	.5870	4.859	537.8
241	.75000	.90000	913.00	.4240-01	.3500-01	.4430-01	.7578-03	.6263-03	.7919-03	.4550	3.341	534.9
241	.75000	.95000	914.00	.3090-01	.2550-01	.3240-01	.5525-03	.4567-03	.5801-03	.3330	2.524	534.0
241	.80000	.00000	915.00	.3484	.2840	.2906	.6231-02	.5079-02	.5196-02	3.465	31.60	579.7
241	.80000	.20000	916.00	.1299	.1070	.1309	.2320-02	.1914-02	.2340-02	1.377	9.598	542.2
241	.80000	.40000	917.00	.8290-01	.6840-01	.8300-01	.1483-02	.1224-02	.1497-02	.8820	6.352	540.7
241	.80000	.60000	918.00	.2920-01	.2410-01	.3040-01	.5214-03	.4310-03	.5445-03	.3140	2.304	533.9
241	.85000	.00000	919.00	.4125	.3362	.3440	.7377-02	.6012-02	.6151-02	4.102	32.06	579.8
241	.85000	.20000	920.00	.1467	.1209	.1477	.2624-02	.2163-02	.2641-02	1.552	11.15	544.2
241	.85000	.40000	921.00	.9730-01	.8020-01	.9810-01	.1740-02	.1435-02	.1754-02	1.033	7.676	542.1
241	.90000	.00000	922.00	.2557	.2096	.2113	.4572-02	.3748-02	.3832-02	2.623	20.69	561.9
241	.90000	.10000	923.00	.1992	.1640	.1994	.3562-02	.2937-02	.3566-02	2.092	15.50	548.3
241	.90000	.20000	924.00	.1406	.1158	.1412	.2513-02	.2071-02	.2527-02	1.485	10.67	545.0
241	.90000	.30000	925.00	.1185	.9770-01	.1194	.2119-02	.1747-02	.2135-02	1.255	9.024	543.4
241	.90000	.50000	926.00	.9520-01	.7860-01	.9520-01	.1703-02	.1405-02	.1719-02	1.012	7.283	541.5
241	.90000	.80000	927.00	.5930-01	.4950-01	.6160-01	.1071-02	.8946-03	.1102-02	.6410	5.028	537.3
241	.90000	.90000	928.00	.4490-01	.3710-01	.4700-01	.8026-03	.6631-03	.8397-03	.4810	3.846	536.0
241	.95000	.00000	929.00	.1586	.1306	.1335	.2836-02	.2335-02	.2387-02	1.688	12.37	547.6
241	.95000	.50000	930.00	.1899	.1562	.1862	.3336-02	.2734-02	.3329-02	1.988	14.25	550.2
241	.95000	.10000	931.00	.1690	.1392	.1683	.3022-02	.2489-02	.3009-02	1.779	13.19	547.3
241	.95000	.20000	932.00	.1556	.1282	.1566	.2782-02	.2292-02	.2800-02	1.644	11.44	544.9
241	.95000	.30000	933.00	.1297	.1069	.1318	.2319-02	.1912-02	.2339-02	1.374	9.681	543.1
241	.95000	.50000	934.00	.9550-01	.7130-01	.8740-01	.1546-02	.1276-02	.1563-02	.9200	6.843	540.7
241	.95000	.70000	935.00	.6380-01	.5270-01	.6500-01	.1141-02	.9419-03	.1162-02	.6820	5.163	538.2
241	.95000	.80000	936.00	.6190-01	.5110-01	.6400-01	.1107-02	.9143-03	.1145-02	.6630	4.942	536.7
241	.95000	.90000	937.00	.4070-01	.3360-01	.4250-01	.7271-03	.6009-03	.7601-03	.4370	3.314	535.0

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
234	7.940	1.013	19.97	.0000	180.0	209.9	.2300-01	1272.	93.50	.9960	3761.	.2026-04
235	7.940	1.021	19.97	.0000	180.0	211.7	.2300-01	1272.	93.50	1.005	3762.	.2043-04

TEST DATA

RUN NUMBER	2Y/3	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9T0) BTU/ R FT2SEC	H(T0) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
235	.30000	.00000	845.00	.3590-01	.2960-01	.3030-01	.8810-03	.7268-03	.7426-03	.5280	5.879	545.6
235	.30000	.50000-01	846.00	.1055	.8673-01	.1037	.2593-02	.2127-02	.2543-02	.5280	16.78	558.7
235	.30000	.10000*00	847.00	.8990-01	.7400-01	.8890-01	.2205-02	.1815-02	.2179-02	1.306	11.14	553.0
235	.30000	.20000	848.00	.8300-01	.6840-01	.8280-01	.2036-02	.1678-02	.2032-02	1.212	8.681	550.1
235	.30000	.40000	850.00	.4970-01	.4100-01	.5000-01	.1220-02	.1005-02	.1226-02	.7250	5.197	550.3
235	.30000	.50000	851.00	.3860-01	.3180-01	.3910-01	.9456-03	.7790-03	.9577-03	.5630	4.166	550.0
235	.30000	.60000	852.00	.3680-01	.3030-01	.3720-01	.9021-03	.7434-03	.9133-03	.5380	3.985	548.8
235	.30000	.70000	853.00	.3260-01	.2680-01	.3390-01	.7984-03	.6582-03	.8094-03	.4770	3.424	547.3
235	.30000	.80000	854.00	.2990-01	.2470-01	.3050-01	.7338-03	.6053-03	.7477-03	.4400	3.265	545.5
235	.30000	.90000	855.00	.1780-01	.1470-01	.1850-01	.4373-03	.3614-03	.4542-03	.2650	1.943	538.5
235	.30000	.95000	856.00	.1830-01	.1550-01	.1980-01	.4636-03	.3835-03	.4853-03	.2820	2.037	536.3
235	.35000	.00000	857.00	.9620-01	.7910-01	.8090-01	.2359-02	.1941-02	.1984-02	1.394	11.89	554.0
235	.40000	.00000	858.00	.2046	.1673	.1711	.5017-02	.4102-02	.4156-02	2.862	28.54	573.8
235	.40000	.50000-01	859.00	.3471	.2839	.3339	.8512-02	.6962-02	.8189-02	4.863	34.43	560.6
235	.40000	.10200*00	860.00	.1533	.1587	.1908	.4740-02	.3892-02	.4680-02	2.770	19.74	553.5
235	.40000	.20000	861.00	.9400-01	.7730-01	.9460-01	.2305-02	.1897-02	.2320-02	1.363	10.08	552.3
235	.40000	.30000	862.00	.6990-01	.5750-01	.7070-01	.1714-02	.1411-02	.1735-02	1.016	7.269	550.3
235	.40000	.40000	863.00	.5430-01	.4470-01	.5500-01	.1332-02	.1097-02	.1349-02	.7920	6.064	546.6
235	.40000	.50000	864.00	.5250-01	.4330-01	.5300-01	.1288-02	.1052-02	.1301-02	.7710	5.196	

(RVIL16)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(TAN) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTWDT DEG. R /SEC	TM DEG. R
235	40000	70000	865.00	5390-01	4450-01	5460-01	1323-02	1091-02	1339-02	7910	5.336	546.7
235	40000	75000	866.00	4810-01	3970-01	4890-01	1180-02	9736-03	1199-02	7080	5.253	545.3
235	40000	85000	867.00	3700-01	3050-01	3810-01	9066-03	7488-03	9344-03	5480	4.141	541.1
235	40000	90000	868.00	2820-01	2330-01	2950-01	6924-03	5722-03	7238-03	4190	3.601	539.5
235	40000	95000	869.00	2140-01	1770-01	2250-01	5251-03	4342-03	5519-03	3190	2.594	537.4
235	50000	00000	871.00	5596	4519	4627	1372-01	1108-01	1135-01	7.326	58.46	611.3
235	50000	50000-01	872.00	2979	2440	2884	7306-02	5984-02	7073-02	4.206	31.90	569.4
235	50000	10000-00	873.00	1684	1335	1677	4131-02	3397-02	4114-02	2.435	17.97	555.7
235	50000	20000	874.00	1242	1022	1253	3046-02	2507-02	3072-02	1.604	12.90	552.9
235	50000	30000	875.00	1081	8900-01	1093	2652-02	2183-02	2680-02	1.571	11.24	552.6
235	50000	40000	876.00	8810-01	7260-01	8920-01	2162-02	1780-02	2187-02	1.284	9.194	551.1
235	50000	50000	877.00	7150-01	5890-01	7240-01	1753-02	1445-02	1776-02	1.044	7.251	549.4
235	50000	60000	878.00	3040-01	2510-01	3090-01	7460-03	6166-03	7567-03	4.520	3.542	626.5
235	55000	00000	879.00	5308	4262	4367	1302-01	1045-01	1071-01	6.751	55.53	539.1
235	60000	00000	880.00	4253	3427	3510	1043-01	8404-02	8608-02	5.507	49.30	617.0
235	60000	25000-01	881.00	4716	3833	4440	1158-01	9399-02	1087-01	6.386	47.88	592.8
235	60000	50000-01	882.00	2561	2093	2486	6198-02	5078-02	6137-02	3.572	34.05	576.3
235	60000	75000-01	883.00	2527	2070	2502	6198-02	5078-02	6137-02	3.575	26.22	568.3
235	60000	10000-00	884.00	1915	1574	1915	4698-02	3859-02	4686-02	2.757	19.67	558.1
235	60000	00000	885.00	9990-01	8240-01	1010	2450-02	2020-02	2477-02	1.462	10.49	548.3
235	60000	30000	886.00	7180-01	5920-01	7250-01	1760-02	1451-02	1779-02	1.073	7.098	546.8
235	60000	40000	887.00	6200-01	5110-01	6260-01	1520-02	1254-02	1535-02	9.100	6.329	546.3
235	60000	50000	888.00	5690-01	4690-01	5760-01	1395-02	1150-02	1412-02	8.340	5.798	547.1
235	60000	60000	889.00	5527-01	4550-01	5590-01	1354-02	1117-02	1372-02	8.110	5.642	546.1
235	60000	80000	891.00	3260-01	2690-01	3360-01	7991-03	6600-03	8237-03	4.820	3.584	541.8
235	60000	85000	892.00	3650-01	3010-01	3780-01	8949-03	7393-03	9261-03	5.410	3.960	540.4
235	60000	90000	893.00	2960-01	2450-01	3100-01	7263-03	6005-03	7604-03	4.410	3.341	538.0
235	60000	95000	894.00	2240-01	1860-01	2350-01	5500-03	4550-03	5781-03	3.350	2.539	536.2
235	65000	00000	895.00	3472	2812	2878	8514-02	6896-02	7059-02	4.616	38.41	603.0
235	70000	00000	896.00	1840	1497	1532	4512-02	3672-02	4757-02	2.511	32.18	588.6
235	70000	25000-01	897.00	2257	1849	2123	5535-02	4535-02	5208-02	3.191	29.25	568.7
235	70000	10000-00	898.00	1556	1281	1553	3816-02	3141-02	3808-02	2.259	15.66	553.0
235	70000	20000	899.00	1036	8540-01	1044	2541-02	2095-02	2560-02	1.517	9.370	548.0
235	70000	30000	900.00	8220-01	6780-01	8320-01	2017-02	1663-02	2041-02	1.208	7.464	546.3
235	70000	40000	901.00	8230-01	6790-01	8330-01	2019-02	1665-02	2043-02	1.209	7.684	546.5
235	70000	50000	902.00	1113	9170-01	1127	2729-02	2248-02	2784-02	1.625	10.32	549.4
235	70000	60000	903.00	3370-01	2780-01	3520-01	8258-03	6827-03	8632-03	5.010	3.610	538.5
235	75000	00000	904.00	2035	1721	1759	9336-02	7592-02	8741-02	3.000	23.66	561.5
235	75000	25000-01	905.00	2807	3096	3564	5140-02	4220-02	4314-02	5.172	40.20	591.1
235	75000	50000-01	906.00	2840	2330	2778	6965-02	5714-02	6813-02	4.045	29.73	564.4
235	75000	10000-00	907.00	1956	1617	1962	4822-02	3965-02	4812-02	2.839	19.64	556.4
235	75000	20000	908.00	1039	8570-01	1048	2549-02	2101-02	2570-02	1.521	10.57	548.4
235	75000	30000	909.00	7790-01	6430-01	7870-01	1910-02	1576-02	1930-02	1.147	7.301	544.4

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) OREITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(IGT) BTU/ R FT2SEC	H(IGT) BTU/ R FT2SEC	H(IGT) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
235	75000	.40000	910.00	.6940-01	.5730-01	.7020-01	.1703-02	.1405-02	.1721-02	1.021	6.684	545.7
235	75000	.60000	911.00	.7050-01	.5820-01	.7140-01	.1730-02	.1428-02	.1752-02	1.039	7.017	544.2
235	75000	.80000	912.00	.5320-01	.4390-01	.5480-01	.1305-02	.1078-02	.1345-02	.7860	6.494	542.6
235	75000	.90000	913.00	.4240-01	.3510-01	.4430-01	.1041-02	.8602-03	.1087-02	.6310	4.625	538.3
235	75000	.95000	914.00	.3730-01	.2510-01	.3180-01	.7432-03	.6145-03	.7803-03	.4510	3.421	537.6
235	80000	.00000	915.00	.3478	.2820	.2787	.8530-02	.6917-02	.7080-02	4.654	42.03	599.4
235	80000	.20000	916.00	.9950-01	.8200-01	.1004	.2441-02	.2011-02	.2462-02	1.451	10.07	550.6
235	30000	.40000	917.00	.8190-01	.6760-01	.8270-01	.2010-02	.1658-02	.2029-02	1.204	8.644	546.0
235	80000	.90000	918.00	.4700-01	.3830-01	.4910-01	.1153-02	.9530-03	.1205-02	.6980	5.114	539.4
235	85000	.00000	919.00	.4145	.3361	.3440	.1016-01	.8242-02	.8437-02	5.544	42.91	599.7
235	85000	.20000	920.00	.1215	.1001	.1222	.2979-02	.2454-02	.2998-02	1.435	12.71	549.7
235	85000	.40000	921.00	.9790-01	.8070-01	.9870-01	.2401-02	.1980-02	.2422-02	1.774	10.64	547.3
235	90000	.00000	922.00	.2513	.2055	.2101	.6164-02	.5039-02	.5153-02	3.512	27.50	575.4
235	90000	.10000+00	923.00	.1944	.1600	.1946	.4767-02	.3923-02	.4773-02	2.818	20.82	554.0
235	90000	.20000	924.00	.1390	.1144	.1396	.3408-02	.2806-02	.3423-02	2.023	14.48	551.5
235	90000	.30000	925.00	.1182	.9740-01	.1191	.2899-02	.2388-02	.2921-02	1.727	12.38	549.3
235	90000	.40000	926.00	.9070-01	.7480-01	.9160-01	.2224-02	.1934-02	.2445-02	1.331	9.550	546.7
235	90000	.50000	927.00	.6160-01	.5090-01	.6340-01	.1511-02	.1218-02	.1554-02	.9120	7.138	541.5
235	90000	.60000	928.00	.4480-01	.3700-01	.4690-01	.1099-02	.9079-03	.1149-02	.6650	5.304	539.7
235	95000	.00000	929.00	.1549	.1274	.1302	.3799-02	.3124-02	.3193-02	2.239	16.53	555.7
235	95000	.10000+00	930.00	.1885	.1550	.1848	.4623-02	.3801-02	.4533-02	2.719	19.41	557.1
235	95000	.20000	931.00	.1575	.1379	.1669	.4109-02	.3382-02	.4092-02	2.431	17.97	553.4
235	95000	.30000	932.00	.1507	.1242	.1517	.3697-02	.3045-02	.3721-02	2.197	15.24	550.9
235	95000	.40000	933.00	.1283	.1057	.1294	.3146-02	.2592-02	.3173-02	1.875	13.44	549.2
235	95000	.50000	934.00	.8750-01	.7220-01	.8840-01	.2146-02	.1770-02	.2169-02	1.286	9.544	545.6
235	95000	.60000	935.00	.6440-01	.5310-01	.6560-01	.1579-02	.1303-02	.1609-02	.9300	7.175	543.5
235	95000	.70000	936.00	.6310-01	.5210-01	.6530-01	.1547-02	.1278-02	.1601-02	.9340	6.949	541.2
235	95000	.80000	937.00	.4230-01	.3500-01	.4420-01	.1037-02	.8573-03	.1084-02	.6290	4.766	538.3

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL16)

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
POFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
221	8.000	19.96	.0000	180.0	859.1	8800-01	1338.	97.00	3.942	3860.	.7614-04
222	8.000	19.97	.0000	180.0	859.3	8800-01	1340.	97.10	3.943	3863.	.7604-04

RUN NUMBER	MJ LB-SEC /FT2	SI FR R =	HREF BTU/ R FT2SEC	RN/L X10.6 /FT
221	.7807-07	0.0175	.4901-01	3.765
222	.7818-07	.2095-01	.4902-01	3.757

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
222	.30000	.00000	845.00	.3670-01	.3040-01	.3100-01	.1797-02	.1490-02	.1522-02	1.168	12.93	556.3
222	.30000	.50000-01	846.00	.1019	.8370-01	.1001	.4994-02	.4105-02	.4908-02	3.091	33.70	587.1
222	.30000	.10000*00	847.00	.8770-01	.7230-01	.8570-01	.4300-02	.3546-02	.4250-02	2.711	22.87	575.5
222	.30000	.20000	848.00	.9040-01	.6650-01	.8020-01	.3942-02	.3258-02	.3933-02	2.515	17.85	568.0
222	.30000	.40000	850.00	.4300-01	.3560-01	.4330-01	.2109-02	.1743-02	.2121-02	1.345	9.545	568.6
222	.30000	.50000	851.00	.4060-01	.3450-01	.4110-01	.1989-02	.1643-02	.2015-02	1.266	9.278	569.8
222	.30000	.60000	852.00	.5130-01	.4230-01	.5190-01	.2513-02	.2075-02	.2544-02	1.595	11.70	570.9
222	.30000	.70000	853.00	.5350-01	.4420-01	.5430-01	.2625-02	.2168-02	.2671-02	1.667	11.82	571.0
222	.30000	.80000	854.00	.6850-01	.5650-01	.6930-01	.3357-02	.2772-02	.3420-02	2.131	15.61	571.4
222	.30000	.90000	855.00	.4390-01	.3650-01	.4550-01	.2154-02	.1787-02	.2236-02	1.405	10.21	553.7
222	.30000	.10000	856.00	.3090-01	.2570-01	.3230-01	.1514-02	.1258-02	.1583-02	.9950	7.141	548.4
222	.30000	.00000	857.00	.9930-01	.8190-01	.8370-01	.4869-02	.4017-02	.4105-02	3.078	25.98	573.8
222	.40000	.00000	858.00	.2076	.1688	.1727	.1679-01	.8273-02	.8465-02	5.929	67.11	626.6
222	.40000	.50000-01	859.00	.3425	.2782	.3290	.9289-02	.1364-01	.1673-01	9.729	39.56	597.4
222	.40000	.10000*00	860.00	.1895	.1553	.1871	.9289-02	.3642-02	.4448-02	5.654	20.26	578.0
222	.40000	.20000	861.00	.9010-01	.7430-01	.9070-01	.4419-02	.3642-02	.4448-02	2.775	13.85	575.2
222	.40000	.30000	862.00	.6330-01	.5220-01	.6410-01	.3104-02	.2560-02	.3142-02	1.958	11.20	572.1
222	.40000	.40000	863.00	.4760-01	.3930-01	.4820-01	.2333-02	.1926-02	.2363-02	1.479	9.847	567.3
222	.40000	.60000	864.00	.4710-01	.3900-01	.4760-01	.2310-02	.1910-02	.2334-02	1.476		

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AEDC VKF V41B-57A (OH-498) COLLATION CHECK

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OH-498 (AEDC V41B-57A) OFBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
222	40000	70000	865.00	4930-01	4070-01	499C-01	2415-02	1996-02	2445-02	1.542	10.29	567.4
222	40000	75000	866.00	4250-01	3510-01	432C-01	2083-02	1723-02	2116-02	1.335	9.813	565.0
222	40000	85000	867.00	3260-01	2700-01	336C-01	1599-02	1325-02	1647-02	1.038	7.789	552.7
222	40000	90000	868.00	2490-01	2070-01	260C-01	1221-02	1013-02	1275-02	.7970	6.802	552.8
222	40000	95000	869.00	2010-01	1670-01	211C-01	9853-03	8183-03	1034-02	.6470	5.230	549.1
222	50000	00000	871.00	5248	4130	424C	2573-01	2025-01	2079-01	12.74	96.95	710.8
222	50000	50000-01	872.00	3098	2516	2594	1519-01	1233-01	1468-01	8.803	64.92	626.4
222	50000	10000-00	873.00	1711	1404	1704	8330-02	6883-02	8354-02	5.133	37.18	594.2
222	50000	20000	874.00	1548	1273	1562	7591-02	6241-02	7658-02	4.703	33.08	586.6
222	50000	30000	875.00	1356	1116	1371	6649-02	5471-02	6711-02	4.138	29.15	583.7
222	50000	40000	876.00	1183	9740-01	1197	5798-02	4777-02	5963-02	3.637	25.68	578.8
222	50000	60000	877.00	1163	9580-01	1178	5702-02	4699-02	5775-02	3.579	24.49	556.9
222	50000	80000	878.00	5320-01	4410-01	540C-01	2609-02	2162-02	2845-02	1.693	13.15	556.9
222	55000	00000	879.00	4539	3604	3702	2255-01	1767-01	1815-01	10.94	86.06	720.8
222	60000	00000	880.00	4066	3191	3277	1933-01	1564-01	1606-01	9.742	87.68	675.4
222	60000	25000-01	881.00	4678	3735	4280	2293-01	1931-01	2170-01	12.17	87.68	675.4
222	60000	50000-01	882.00	2636	2172	2603	1317-01	1165-01	1276-01	7.448	68.79	640.5
222	60000	75000-01	883.00	2737	2226	2710	1342-01	1091-01	1328-01	7.831	55.93	622.5
222	60000	10000-00	884.00	2204	1803	2204	1080-01	6039-02	1081-01	6.509	45.41	603.6
222	60000	20000	885.00	1769	1453	1784	8574-02	7121-02	7914-02	5.331	37.42	591.5
222	60000	30000	886.00	1597	1314	1614	7829-02	6442-02	7914-02	4.872	32.25	583.7
222	60000	40000	887.00	3115	2539	3147	1527-01	1245-01	1543-01	9.028	60.68	614.9
222	60000	50000	888.00	3123	2551	3164	1531-01	1251-01	1551-01	8.148	61.68	608.5
222	60000	60000	889.00	2730	2235	2767	1339-01	1096-01	1355-01	8.101	54.82	600.8
222	60000	80000	891.00	1427	1177	1472	6998-02	5770-02	7215-02	4.406	32.20	576.4
222	60000	90000	892.00	1276	1055	1321	4621-02	3826-02	4836-02	3.986	28.76	569.0
222	60000	9430-01	893.00	9430-01	7800-01	9870-01	4621-02	3826-02	4836-02	2.980	22.31	551.3
222	60000	6630-01	894.00	6630-01	5550-01	7030-01	3280-02	2719-02	3445-02	2.132	16.00	556.2
222	65000	00000	895.00	3100	2474	2536	1520-01	1213-01	1243-01	8.046	64.61	676.6
222	70000	00000	896.00	1925	1550	1588	9437-02	7600-02	7785-02	5.234	65.07	651.4
222	70000	25000-01	897.00	2508	2045	2255	1229-01	1002-01	1155-01	7.279	65.26	613.9
222	70000	10000-00	898.00	2845	2325	2634	1395-01	1140-01	1332-01	8.357	56.59	606.9
222	70000	20000	899.00	3749	3055	3179	1839-01	1498-01	1853-01	10.867	64.85	615.4
222	70000	30000	900.00	3376	2756	3301	1655-01	1351-01	1676-01	9.867	59.10	609.8
222	70000	40000	901.00	3260	2632	3301	1598-01	1305-01	1618-01	9.538	58.77	609.2
222	70000	50000	902.00	2838	2325	2676	1391-01	1140-01	1410-01	8.443	52.28	599.2
222	70000	60000	903.00	9820-01	8190-01	1034	4650-02	4013-02	5068-02	3.118	22.19	563.2
222	70000	80000	904.00	2414	1963	2609	1184-01	9623-02	9847-02	6.893	52.72	623.7
222	75000	00000	905.00	3879	3121	3618	1902-01	1530-01	1774-01	10.449	79.03	654.6
222	75000	25000-01	906.00	2865	2361	282	1414-01	1157-01	1383-01	8.540	61.60	602.3
222	75000	50000-01	907.00	2180	1791	2176	1069-01	8782-02	1057-01	6.597	44.91	588.9
222	75000	10000-00	908.00	2078	1706	2093	1019-01	8365-02	1027-01	6.273	42.65	590.6
222	75000	30000	909.00	2780	2279	2810	1363-01	1117-01	1378-01	8.311	51.54	596.3

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76	RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT2SEC	H(TO) BTU/R FT2SEC	H(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
	222	.75000	.40000	910.00	.2892	.2365	.2924	.1418-01	.1160-01	.1434-01	8.537	54.29	603.9
	222	.75000	.60000	911.00	.2858	.2342	.2895	.1401-01	.1148-01	.1420-01	8.515	55.95	598.3
	222	.75000	.80000	912.00	.1593	.1304	.1632	.7762-02	.6391-02	.8002-02	4.849	39.27	581.3
	222	.75000	.90000	913.00	.1099	.9100-01	.1143	.5388-02	.4460-02	.5629-02	3.468	25.09	582.5
	222	.75000	.95000	914.00	.7750-01	.6420-01	.8130-01	.3800-02	.3148-02	.3988-02	2.459	18.43	559.0
	222	.80000	.00000	915.00	.3556	.2843	.2915	.1744-01	.1394-01	.1429-01	9.316	81.24	671.7
	222	.80000	.20000	916.00	.1353	.1117	.1364	.6631-02	.5476-02	.6683-02	4.212	28.93	570.9
	222	.80000	.40000	917.00	.2137	.1751	.2153	.1048-01	.8585-02	.1058-01	6.377	44.63	597.3
	222	.80000	.60000	918.00	.1181	.9760-01	.1234	.5792-02	.4787-02	.6049-02	3.698	26.69	567.6
	222	.85000	.00000	919.00	.4194	.3351	.3435	.2056-01	.1643-01	.1684-01	10.96	81.83	673.2
	222	.85000	.20000	920.00	.1303	.1075	.1312	.6389-02	.5272-02	.6431-02	4.042	28.63	573.4
	222	.85000	.40000	921.00	.1049	.8660-01	.1053	.5144-02	.4248-02	.5188-02	3.268	23.94	570.8
	222	.90000	.00000	922.00	.2523	.2050	.2093	.1237-01	.1005-01	.1029-01	7.190	54.96	624.8
	222	.90000	.20000	923.00	.1913	.1575	.1915	.9379-02	.7719-02	.9391-02	5.846	42.58	582.7
	222	.90000	.40000	924.00	.1422	.1172	.1423	.6971-02	.5748-02	.7001-02	4.391	31.05	576.1
	222	.90000	.60000	925.00	.1132	.9350-01	.1141	.5592-02	.4584-02	.5594-02	3.525	24.99	571.1
	222	.90000	.80000	926.00	.9310-01	.7690-01	.9403-01	.4565-02	.3771-02	.4608-02	2.908	20.64	569.0
	222	.90000	.90000	927.00	.9670-01	.7930-01	.9433-01	.4741-02	.3918-02	.4877-02	3.025	23.36	568.1
	222	.95000	.00000	928.00	.9220-01	.7630-01	.9650-01	.4521-02	.3739-02	.4729-02	2.894	22.77	566.0
	222	.95000	.20000	929.00	.1535	.1265	.1293	.7531-02	.6201-02	.6337-02	4.705	34.29	581.3
	222	.95000	.40000	930.00	.1849	.1601	.1911	.9553-02	.7648-02	.9367-02	5.890	41.37	589.6
	222	.95000	.60000	931.00	.1718	.1414	.1713	.8420-02	.6933-02	.8366-02	5.258	38.32	581.6
	222	.95000	.80000	932.00	.1500	.1237	.1513	.7353-02	.6066-02	.7401-02	4.643	31.83	574.7
	222	.95000	.90000	933.00	.1246	.1029	.1257	.6111-02	.5043-02	.6163-02	3.870	27.41	572.8
	222	.95000	.00000	934.00	.8390-01	.6940-01	.8482-01	.4116-02	.3403-02	.4159-02	2.634	19.35	566.0
	222	.95000	.20000	935.00	.6940-01	.5740-01	.7073-01	.3403-02	.2815-02	.3467-02	2.182	16.31	564.9
	222	.95000	.40000	936.00	.6630-01	.5540-01	.6323-01	.3280-02	.2717-02	.3391-02	2.123	15.65	558.8
	222	.95000	.60000	937.00	.4570-01	.3790-01	.4773-01	.2239-02	.1858-02	.2337-02	1.464	11.02	551.9

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) CRBITER LOWER WING

(RVIL17)

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	FO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
242	7.900	.5475	30.01	.0000	180.0	110.8	.1200-01	1264.	93.70	.5380	3748.	.1102-04
243	7.900	.5473	30.01	.0000	180.0	111.0	.1200-01	1266.	93.90	.5390	3750.	.1103-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
242	.7547-07	0.0175	.5474-01	
243	.7557-07	.5474-01		

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
243	.30000	.00000	845.00	.4010-01	.3310-01	.3470-01	.7193-03	.5935-03	.6225-03	.4300	4.796	541.2
243	.30000	.50000-01	846.00	.1315	.1081	.1236	.2360-02	.1511-02	.2218-02	1.383	15.34	552.9
243	.30000	.10000+00	847.00	.1140	.9380-01	.1077	.2045-02	.1684-02	.1933-02	1.208	10.33	548.4
243	.30000	.20000	848.00	.1041	.8580-01	.9940-01	.1869-02	.1540-02	.1784-02	1.107	7.945	546.7
243	.30000	.40000	850.00	.6820-01	.3620-01	.6560-01	.1223-02	.1008-02	.1177-02	.7240	5.199	546.8
243	.30000	.50000	851.00	.5050-01	.4160-01	.4660-01	.9057-03	.7461-03	.8783-03	.5350	3.973	547.3
243	.30000	.60000	852.00	.4810-01	.3970-01	.4660-01	.8636-03	.7117-03	.8372-03	.5120	3.800	545.9
243	.30000	.70000	853.00	.4250-01	.3500-01	.4130-01	.7626-03	.6287-03	.7475-03	.4530	3.254	545.0
243	.30000	.80000	854.00	.4120-01	.3400-01	.4020-01	.7389-03	.6094-03	.7215-03	.4400	3.236	543.8
243	.30000	.90000	855.00	.2340-01	.1940-01	.2340-01	.4208-03	.3476-03	.4203-03	.2530	1.852	538.3
243	.30000	.95000	856.00	.2540-01	.2100-01	.2340-01	.4559-03	.3767-03	.4597-03	.2751	1.980	536.7
243	.35000	.00000	857.00	.1904	.8270-01	.6370-01	.1801-02	.1484-02	.1557-02	1.055	9.123	547.0
243	.40000	.00000	858.00	.1855	.1524	.1600	.3332-02	.2735-02	.2972-02	1.934	19.44	558.5
243	.40000	.50000-01	859.00	.3505	.2875	.3226	.6291-02	.5161-02	.5911-02	3.635	25.90	561.1
243	.40000	.10000+00	860.00	.2238	.1849	.2113	.4017-02	.3703-02	.3733-02	2.350	16.81	553.9
243	.40000	.20000	861.00	.1284	.1057	.1277	.2304-02	.1897-02	.2219-02	1.357	10.05	549.9
243	.40000	.30000	862.00	.1013	.8340-01	.5820-01	.1818-02	.1497-02	.1622-02	1.072	7.683	549.4
243	.40000	.40000	863.00	.8200-01	.6760-01	.7950-01	.1472-02	.1213-02	.1428-02	.8700	6.672	547.8
243	.40000	.50000	864.00	.7110-01	.5860-01	.6680-01	.1276-02	.1052-02	.1235-02	.7590	5.122	544.4

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
243	40000	70000	865.00	7780-01	6410-01	7540-01	1396-02	1150-02	1353-02	8290	5.592	545.1
243	40000	75000	866.00	6900-01	5690-01	6720-01	1238-02	1021-02	1205-02	8290	5.592	545.1
243	40000	85000	867.00	5210-01	4300-01	5150-01	9346-03	7714-03	9247-03	5590	4.230	540.7
243	40000	90000	868.00	4300-01	3550-01	4330-01	7723-03	6376-03	9247-03	5590	4.230	540.7
243	40000	95000	869.00	3390-01	2800-01	3440-01	6093-03	5033-03	6175-03	3660	2.974	538.2
243	50000	100000	871.00	5583	4550	4786	1003-01	8166-02	8591-02	5584	44.99	584.2
243	50000	100000	872.00	5060-01	2920	3295	6389-02	5241-02	5914-02	2691	28.11	561.3
243	50000	100000	873.00	2087	1717	1987	3745-02	3081-02	3567-02	2691	16.29	551.2
243	50000	20000	874.00	1389	1144	134	2493-02	2053-02	2407-02	1473	10.57	547.9
243	50000	30000	875.00	1143	9410-01	1106	2051-02	2053-02	1985-02	1213	8.706	547.3
243	50000	40000	876.00	9450-01	7790-01	9160-01	1656-02	1398-02	1643-02	1004	7.207	547.0
243	50000	50000	877.00	6690-01	5510-01	6480-01	1200-02	9892-03	1164-02	7130	4.961	544.9
243	50000	60000	878.00	3850-01	3190-01	3750-01	6927-03	5720-03	6732-03	4160	3.257	539.0
243	55000	70000	879.00	7304	5859	6192	1311-01	1053-01	1111-01	6784	55.94	621.4
243	60000	80000	880.00	4505	3658	3850	8085-02	6565-02	6911-02	4419	40.05	592.4
243	60000	90000	881.00	5035	4110	4541	9038-02	7377-02	8150-02	5081	38.40	576.8
243	60000	100000	882.00	2780	2277	2580	4990-02	4087-02	4631-02	2741	27.41	565.6
243	60000	100000	883.00	2855	2351	2711	5141-02	4219-02	4866-02	2978	21.94	559.8
243	60000	100000	884.00	2165	1781	2071	3886-02	3197-02	3717-02	2282	16.33	551.8
243	60000	20000	885.00	1441	1187	1395	2587-02	2131-02	2503-02	1530	10.97	547.7
243	60000	30000	886.00	1344	1107	1300	2412-02	1987-02	2334-02	1427	9.615	547.4
243	60000	40000	887.00	1163	9590-01	1124	2088-02	1721-02	2018-02	1238	8.609	546.1
243	60000	50000	888.00	1083	8920-01	1043	1943-02	1601-02	1894-02	1152	8.008	546.3
243	60000	60000	889.00	9170-01	7560-01	8900-01	1647-02	1357-02	1597-02	9780	6.809	544.8
243	60000	70000	891.00	5460-01	4510-01	5400-01	9801-03	8093-03	9697-03	5860	4.358	541.1
243	60000	80000	892.00	6180-01	5100-01	6140-01	1109-02	9153-03	1102-02	6640	4.861	540.0
243	60000	90000	893.00	5120-01	4230-01	5170-01	9193-03	7593-03	9270-03	5520	4.182	538.3
243	60000	95000	894.00	3990-01	3290-01	4040-01	7156-03	5913-03	7253-03	4310	3.284	537.2
243	65000	100000	895.00	3316	2704	2844	5952-02	4854-02	5104-02	3328	28.01	579.8
243	70000	100000	896.00	1646	1349	1417	2955-02	2420-02	2543-02	1693	21.94	566.0
243	70000	25000	897.00	2361	1939	2130	4238-02	3480-02	3822-02	2459	22.66	558.7
243	70000	100000	898.00	2218	1825	2117	3981-02	3275-02	3800-02	2337	16.21	551.8
243	70000	20000	899.00	1785	1470	1721	3203-02	2638-02	3089-02	1892	11.68	548.4
243	70000	30000	900.00	1461	1204	1415	2621-02	2160-02	2540-02	1555	9.612	545.9
243	70000	40000	901.00	1227	1012	1189	2203-02	1816-02	2134-02	1309	8.326	544.9
243	70000	50000	902.00	1093	9010-01	1060	1951-02	1617-02	1902-02	1166	7.418	544.6
243	70000	60000	903.00	5570-01	4600-01	5610-01	1000-02	8260-03	1006-02	6000	4.326	538.7
243	75000	100000	904.00	1737	1430	1500	3118-02	2566-02	2693-02	1455	14.55	550.5
243	75000	20000	905.00	3564	2914	3200	6396-02	5230-02	5743-02	3629	28.48	571.5
243	75000	30000	906.00	3157	2593	2952	5665-02	4654-02	5299-02	2433	24.33	565.9
243	75000	40000	907.00	2420	1990	2309	4343-02	3572-02	4145-02	2547	17.66	552.5
243	75000	50000	908.00	1492	1229	1440	2679-02	2206-02	2585-02	1101	11.01	547.7
243	75000	60000	909.00	1348	1112	1304	2420-02	1995-02	2341-02	1439	9.159	544.3

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OH-498 (AEDC V41B-57A) OREITER LOWER WING

(RVIL17)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(90) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	OTDOT DEG. R /SEC	TW DEG. R
243	.75000	.40000	910.00	.1191	.9820-01	.1153	.2138-02	.1763-02	.2070-02	1.271	8.327	544.5
243	.75000	.60000	911.00	.1081	.8920-01	.1048	.1940-02	.1600-02	.1882-02	1.156	7.805	543.3
243	.75000	.80000	912.00	.6870-01	.5670-01	.6800-01	.1234-02	.1018-02	.1220-02	1.380	6.096	541.1
243	.75000	.90000	913.00	.5630-01	.4650-01	.5660-01	.1010-02	.8346-03	.1016-02	.6070	4.451	537.7
243	.75000	.95000	914.00	.4450-01	.3630-01	.4500-01	.7988-03	.6600-03	.6085-03	.4810	3.644	537.1
243	.80000	.00000	915.00	.3229	.2636	.2771	.5795-02	.4732-02	.4974-02	3.264	29.82	575.7
243	.80000	.20000	916.00	.1539	.1268	.1486	.2763-02	.2275-02	.2667-02	1.134	11.34	548.2
243	.80000	.40000	917.00	.1103	.9090-01	.1066	.1979-02	.1632-02	.1913-02	1.177	8.454	544.5
243	.80000	.60000	918.00	.6250-01	.5160-01	.6280-01	.1122-02	.9262-03	.1127-02	.6730	4.929	538.9
243	.85000	.00000	919.00	.3881	.3170	.3332	.6966-02	.5589-02	.5980-02	3.921	30.75	575.4
243	.85000	.20000	920.00	.1373	.1131	.1323	.2465-02	.2031-02	.2375-02	1.459	10.47	547.0
243	.85000	.40000	921.00	.1153	.9510-01	.1113	.2069-02	.1706-02	.1998-02	2.393	9.137	544.3
243	.90000	.00000	922.00	.2297	.1836	.1980	.4123-02	.3385-02	.3554-02	2.361	17.48	558.5
243	.90000	.10000+00	923.00	.2235	.1839	.2140	.4011-02	.3301-02	.3941-02	1.230	18.90	550.2
243	.90000	.20000	924.00	.1831	.1508	.1760	.3287-02	.2706-02	.3159-02	1.937	13.88	549.6
243	.90000	.30000	925.00	.1541	.1289	.1466	.2765-02	.2278-02	.2667-02	1.637	11.75	547.0
243	.90000	.50000	926.00	.1022	.8430-01	.9880-01	.1835-02	.1513-02	.1774-02	1.092	7.847	543.9
243	.90000	.80000	927.00	.7220-01	.5960-01	.7130-01	.1297-02	.1070-02	.1280-02	.7760	6.079	540.3
243	.90000	.90000	928.00	.5790-01	.4780-01	.5830-01	.1039-02	.8583-03	.1047-02	.6240	4.974	539.0
243	.95000	.00000	929.00	.1323	.1091	.1145	.2375-02	.1958-02	.2054-02	1.412	10.49	544.4
243	.95000	.50000-01	930.00	.1831	.1507	.1717	.3286-02	.2705-02	.3082-02	1.939	13.90	548.9
243	.95000	.10000+00	931.00	.1811	.1491	.1725	.3250-02	.2676-02	.3096-02	1.917	14.20	549.3
243	.95000	.20000	932.00	.1794	.1477	.1728	.3219-02	.2651-02	.3101-02	1.902	13.22	548.1
243	.95000	.30000	933.00	.1685	.1388	.1627	.3024-02	.2491-02	.2920-02	1.788	12.83	547.7
243	.95000	.50000	934.00	.1160	.9570-01	.1123	.2083-02	.1717-02	.2015-02	1.238	9.193	544.4
243	.95000	.70000	935.00	.7180-01	.5930-01	.7010-01	.1289-02	.1064-02	.1259-02	.7710	5.828	541.1
243	.95000	.80000	936.00	.6310-01	.5620-01	.6770-01	.1223-02	.1010-02	.1215-02	.7330	5.157	539.3
243	.95000	.90000	937.00	.4780-01	.3950-01	.4810-01	.8575-03	.7084-03	.8629-03	.5160	3.906	537.7

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LOWER WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL17)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.5	ALPHA DEG.	YAH DEG.	PHI MODEL LEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
236	7.940	1.020	30.02	.0000	180.0	211.3	.2300-01	1272.	93.40	1.003	3761.	.2040-04
237	7.940	1.012	30.01	.0000	180.0	210.3	.2300-01	1274.	93.60	.9980	3764.	.2027-04

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
237	.30000	.00000	845.00	.4110-01	.3390-01	.3560-01	.1005-02	.8294-03	.8698-03	.6050	6.733	545.0
237	.30000	.50000-01	846.00	.1293	.1062	.12.4	.3161-02	.2597-02	.2969-02	.6050	20.48	560.1
237	.30000	.10000+00	847.00	.1191	.0800-01	.1125	.2912-02	.2395-02	.2751-02	1.854	14.64	556.2
237	.30000	.20000	848.00	.1043	.6860-01	.9950-01	.2513-02	.2099-02	.2433-02	1.513	10.83	553.0
237	.30000	.40000	850.00	.6260-01	.5150-01	.6020-01	.1531-02	.1260-02	.1472-02	.9060	6.478	554.6
237	.30000	.50000	851.00	.4730-01	.3950-01	.4580-01	.1158-02	.9514-03	.1121-02	.6840	5.056	554.6
237	.30000	.60000	852.00	.4370-01	.3600-01	.4230-01	.1068-02	.8793-03	.1035-03	.6340	4.685	553.2
237	.30000	.70000	853.00	.3590-01	.2950-01	.3430-01	.8785-03	.7235-03	.8529-03	.5220	3.738	552.2
237	.30000	.80000	854.00	.3310-01	.3220-01	.3810-01	.9553-03	.7872-03	.9327-03	.5700	4.219	550.1
237	.30000	.90000	855.00	.2570-01	.2120-01	.2570-01	.6265-03	.5192-03	.6277-03	.3810	3.284	541.2
237	.30000	.95000	856.00	.3020-01	.2500-01	.3040-01	.7379-03	.6100-03	.7441-03	.4490	3.232	538.8
237	.35000	.00000	857.00	.1006	.8280-01	.8690-01	.2460-02	.2025-02	.2125-02	1.459	12.44	553.6
237	.40000	.00000	858.00	.1907	.1562	.1641	.4663-02	.3820-02	.4013-02	2.692	26.92	569.2
237	.40000	.50000-01	859.00	.3505	.2267	.3232	.8569-02	.7011-02	.7879-02	4.911	34.77	573.5
237	.40000	.10000+00	860.00	.2191	.1798	.2088	.5358-02	.4397-02	.5056-02	3.122	22.21	564.0
237	.40000	.20000	861.00	.1240	.1019	.1194	.3031-02	.2491-02	.2918-02	1.783	13.14	558.4
237	.40000	.30000	862.00	.9760-01	.8030-01	.9460-01	.2385-02	.1962-02	.2312-02	1.407	10.05	556.9
237	.40000	.40000	863.00	.7770-01	.6390-01	.7530-01	.1899-02	.1562-02	.1841-02	1.123	8.580	555.0
237	.40000	.50000	864.00	.8250-01	.6790-01	.7980-01	.2017-02	.1661-02	.1951-02	1.199	8.063	552.0

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL17)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(ISTO) BTU/ R FT2SEC	H(OTO) BTU/ R FT2SEC	H(IAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
237	40000	70000	865.00	8330-01	6860-01	8080-01	2037-02	1677-02	1974-02	1.210	8.135	552.5
237	40000	75000	866.00	6970-01	5740-01	6780-01	1703-02	1403-02	1658-02	1.015	7.514	550.6
237	40000	80000	867.00	5680-01	4690-01	5620-01	1390-02	1146-02	1375-02	0.870	6.300	545.7
237	40000	85000	868.00	4590-01	3790-01	4620-01	1123-02	9267-03	1130-02	0.770	5.802	543.6
237	40000	90000	869.00	3800-01	3140-01	3850-01	9591-03	7676-03	9417-03	0.5630	4.584	541.2
237	50000	00000	871.00	5563	4507	4747	1360-01	1102-01	1160-01	7.392	59.22	603.2
237	50000	50000-01	872.00	3516	2877	3252	8597-02	7034-02	7950-02	4.928	37.30	573.5
237	50000	10000+00	873.00	2026	1664	1929	9594-02	4069-02	4716-02	2.904	21.39	560.4
237	50000	20000	874.00	1364	1122	1316	3335-02	2743-02	3219-02	1.967	14.05	556.7
237	50000	30000	875.00	1156	9510-01	1119	2827-02	2326-02	2735-02	1.670	11.93	555.9
237	50000	40000	876.00	9700-01	7980-01	9390-01	2371-02	1951-02	2297-02	1.404	10.03	554.6
237	50000	50000	877.00	7180-01	5910-01	6960-01	1754-02	1445-02	1701-02	1.043	7.232	552.1
237	50000	60000	878.00	3690-01	3050-01	3580-01	9014-03	7445-03	8760-03	0.5450	4.265	541.9
237	55000	00000	879.00	7166	5701	6029	1752-01	1394-01	1474-01	8.684	70.59	651.0
237	60000	00000	880.00	4632	3740	3942	1133-01	9144-02	9638-02	6.048	54.27	612.6
237	60000	25000-01	881.00	4991	4058	4491	1220-01	9921-02	1098-01	6.757	50.66	592.9
237	60000	50000-01	882.00	2782	2272	2579	6801-02	5556-02	6304-02	3.866	36.81	578.2
237	60000	75000-01	883.00	2838	2324	2684	6939-02	5683-02	6563-02	3.999	29.31	570.3
237	60000	10000+00	884.00	2096	1722	2005	5125-02	4211-02	4901-02	3.008	21.44	559.7
237	60000	20000	885.00	1452	1195	1405	3550-02	2922-02	3435-02	2.102	15.03	554.6
237	60000	30000	886.00	1375	1131	1330	3362-02	2766-02	3252-02	1.988	13.35	555.2
237	60000	40000	887.00	1217	1002	1176	2976-02	2449-02	2876-02	1.761	12.19	555.0
237	60000	50000	888.00	1076	8850-01	1042	2630-02	2164-02	2549-02	1.559	10.80	553.9
237	60000	60000	889.00	9160-01	7550-01	8890-01	2240-02	1845-02	2173-02	1.333	9.249	551.4
237	60000	891.00	891.00	5470-01	4520-01	5410-01	1338-02	1104-02	1324-02	0.8030	5.960	546.1
237	60000	892.00	892.00	6150-01	5080-01	6110-01	1304-02	1241-02	1495-02	0.9060	6.613	544.4
237	60000	90000	893.00	5030-01	4160-01	5080-01	1231-02	1017-02	1241-02	0.7440	5.629	541.8
237	60000	95000	894.00	3780-01	3120-01	3830-01	9242-03	7640-03	9367-03	0.5610	4.248	539.4
237	65000	00000	895.00	3329	2703	2845	8138-02	6609-02	6957-02	4.482	37.42	595.9
237	70000	00000	896.00	1655	1352	1422	4047-02	3307-02	3476-02	2.303	29.67	577.7
237	70000	25000-01	897.00	2347	1924	2115	5739-02	4704-02	5171-02	3.322	30.47	567.9
237	70000	10000+00	898.00	2199	1807	2098	5376-02	4418-02	5130-02	3.158	21.82	559.2
237	70000	30000	899.00	1821	1498	1756	4452-02	3663-02	4292-02	2.633	16.20	555.1
237	70000	30000	900.00	1476	1216	1430	3609-02	2972-02	3497-02	2.145	13.22	552.2
237	70000	40000	901.00	1282	1056	1242	3134-02	2582-02	3037-02	1.866	11.84	551.2
237	70000	60000	902.00	1096	9032-01	1063	2580-02	2208-02	2599-02	1.596	10.13	550.9
237	70000	903.00	903.00	5800-01	4790-01	5840-01	1419-02	1172-02	1428-02	0.8570	6.163	542.5
237	75000	00000	904.00	1588	1307	1371	3882-02	3195-02	3352-02	2.297	18.18	555.0
237	75000	25000-01	905.00	3492	2847	3131	8537-02	6961-02	7654-02	4.285	37.47	583.9
237	75000	50000-01	906.00	3012	2471	2816	7355-02	6042-02	6884-02	4.285	31.49	564.8
237	75000	10000+00	907.00	2314	1901	2208	5657-01	4048-02	5398-02	3.322	22.95	559.4
237	75000	20000	908.00	1458	1200	1407	2334-02	1934-02	2349-02	2.114	14.64	553.6
237	75000	30000	909.00	1322	1090	1279	3233-02	2664-02	3127-02	1.930	12.25	549.6

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (-AH)	H(9TO) BTU/R FT2SEC	H(1TO) BTU/R FT2SEC	H(TAH) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTNOT DEG. R /SEC	TH DEG. R
237	75000	40000	910.00	.1220	.1005	.1181	.2982-02	.2457-02	.2885-02	1.778	11.61	550.4
237	75000	50000	911.00	.1053	.8690-01	.1021	.2573-02	.2121-02	.2496-02	1.539	10.37	548.4
237	75000	80000	912.00	.6840-01	.5650-01	.6773-01	.1673-02	.1381-02	.1655-02	1.005	8.286	545.9
237	75000	90000	913.00	.5810-01	.4800-01	.5843-01	.1421-02	.1174-02	.1429-02	.8600	6.299	541.3
237	75000	95000	914.00	.4290-01	.3550-01	.4343-01	.1049-02	.8672-03	.1082-02	.6370	4.820	539.7
237	80000	00000	915.00	.3237	.2633	.2773	.7914-02	.6437-02	.6773-02	4.396	39.86	591.1
237	80000	20000	916.00	.1247	.1026	.1203	.3048-02	.2509-02	.2942-02	1.809	12.53	553.2
237	80000	40000	917.00	.1117	.9210-01	.1083	.2732-02	.2251-02	.2640-02	1.629	11.67	550.3
237	80000	60000	918.00	.6330-01	.5230-01	.6363-01	.1547-02	.1278-02	.1555-02	.9350	6.833	542.4
237	85000	00000	919.00	.3941	.3206	.3373	.9636-02	.7839-02	.8248-02	5.355	41.52	590.9
237	85000	20000	920.00	.1382	.1138	.1331	.3378-02	.2782-02	.3254-02	2.008	14.37	552.2
237	85000	40000	921.00	.1299	.1070	.1254	.3177-02	.2616-02	.3067-02	1.885	13.94	553.2
237	90000	00000	922.00	.23.1	.1834	.1993	.5651-02	.4631-02	.4865-02	3.268	25.68	568.4
237	90000	20000	923.00	.2189	.1800	.2095	.5352-02	.4401-02	.5125-02	3.154	23.27	557.2
237	90000	40000	924.00	.1926	.1565	.1851	.4710-02	.3875-02	.4526-02	2.788	19.93	554.7
237	90000	60000	925.00	.1546	.1273	.1491	.3780-02	.3111-02	.3645-02	2.242	16.03	553.6
237	90000	80000	926.00	.1382	.1136	.1333	.3373-02	.2777-02	.3260-02	2.003	14.33	553.6
237	90000	90000	927.00	.1123	.9260-01	.1103	.2745-02	.2267-02	.2710-02	1.642	12.81	548.3
237	90000	00000	928.00	.7520-01	.6210-01	.7573-01	.1838-02	.1517-02	.1852-02	1.108	8.815	543.9
237	95000	00000	929.00	.1288	.1062	.1114	.3150-02	.2597-02	.2724-02	1.883	13.94	549.0
237	95000	20000	930.00	.1771	.1458	.1661	.4329-02	.3584-02	.4061-02	2.567	18.36	553.6
237	95000	40000	931.00	.1781	.1466	.1697	.4353-02	.3585-02	.4149-02	2.581	19.07	554.0
237	95000	60000	932.00	.18.0	.1515	.1773	.4499-02	.3705-02	.4334-02	2.671	18.52	552.9
237	95000	80000	933.00	.1646	.1356	.1583	.4025-02	.3315-02	.3666-02	2.392	17.12	552.5
237	95000	90000	934.00	.1165	.6000-01	.1127	.2848-02	.2348-02	.2756-02	1.701	12.60	549.5
237	95000	00000	935.00	.1167	.9620-01	.1133	.2854-02	.2352-02	.2786-02	1.703	12.82	549.9
237	95000	20000	936.00	.1266	.1044	.1253	.3095-02	.2552-02	.3076-02	1.851	13.72	548.5
237	95000	40000	937.00	.8810-01	.7270-01	.8863-01	.2153-02	.1777-02	.2167-02	1.297	9.793	544.3

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

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LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI %DEL DEG.	FO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
223	8.003	3.749	30.07	.0000	180.0	860.3	.8800-01	1343.	97.30	3.948	3867.	.7597-04
224	8.000	3.744	30.06	.0000	180.0	860.3	.8800-01	1344.	97.40	3.948	3869.	.7589-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
223	.7835-07	.4907-01	0.0175
224	.7842-07	.4908-01	.2100-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T.C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TN DEG. R
224	.30000	.00000	845.00	.3990-01	.3300-01	.3460-01	.1958-02	.1622-02	.1700-02	1.270	14.03	561.1
224	.30000	.50000-01	846.00	.1199	.9800-01	.1123	.5878-02	.4111-02	.5513-02	3.563	38.53	603.6
224	.30000	.10000+00	847.00	.1109	.9110-01	.1047	.5443-02	.4472-02	.5140-02	3.368	28.19	591.1
224	.30000	.20000	848.00	.1033	.8500-01	.0850-01	.5068-02	.4174-02	.4835-02	3.179	22.41	582.6
224	.30000	.40000	850.00	.5530-01	.4500-01	.5300-01	.2715-02	.2232-02	.2610-02	1.688	11.87	587.9
224	.30000	.50000	851.00	.5380-01	.4420-01	.5200-01	.2642-02	.2170-02	.2560-02	1.634	11.85	591.3
224	.30000	.60000	852.00	.8310-01	.7320-01	.8600-01	.4373-02	.3531-02	.4235-02	2.699	19.56	592.8
224	.30000	.70000	853.00	.1328	.1089	.1268	.6518-02	.5343-02	.6321-02	3.982	27.85	598.9
224	.30000	.80000	854.00	.1902	.1556	.1654	.9333-02	.7635-02	.9101-02	5.645	40.67	605.0
224	.30000	.90000	855.00	.1120	.9240-01	.1118	.5497-02	.4533-02	.5489-02	3.476	24.97	577.5
224	.30000	.95000	856.00	.1006	.8310-01	.1014	.4937-02	.4076-02	.4978-02	3.143	22.25	573.4
224	.35000	.00000	857.00	.9950-01	.8200-01	.6500-01	.4631-02	.4022-02	.4221-02	3.073	25.86	580.3
224	.40000	.00000	858.00	.1255	.1511	.1559	.9105-02	.7414-02	.7801-02	5.352	52.26	621.0
224	.40000	.50000-01	859.00	.3467	.2607	.3172	.1701-01	.1378-01	.1557-01	9.729	66.75	638.1
224	.40000	.10000+00	860.00	.2236	.1823	.2105	.1097-01	.8945-02	.1033-01	6.505	45.08	17.1
224	.40000	.20000	861.00	.1238	.1014	.1181	.6075-02	.4977-02	.5844-02	3.701	26.72	600.6
224	.40000	.30000	862.00	.9970-01	.8090-01	.5560-01	.4844-02	.3971-02	.4690-02	2.963	20.73	598.1
224	.40000	.40000	863.00	.1860-01	.7270-01	.6580-01	.4348-02	.3567-02	.4213-02	2.668	19.97	596.3
224	.40000	.50000	864.00	.1213	.1000+00	.1178	.5981-02	.4910-02	.5779-02	3.639	24.30	593.1

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TU) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(1AW) BTU/R FT2SEC	ODOT BTU/ FT2SEC	OTWOT DEG. R /SEC	TH DEG. R
224	40000	70000	865.00	.1495	.1227	.1418	.7340-02	.6021-02	.7108-02	4.503	29.61	596.4
224	40000	75000	866.00	.1443	.1185	.1403	.7082-02	.5815-02	.6887-02	4.369	31.66	592.9
224	40000	85000	867.00	.1381	.1137	.1366	.6780-02	.5582-02	.6705-02	4.246	31.44	583.5
224	40000	90000	868.00	.1181	.9730-01	.1188	.5794-02	.4774-02	.5830-02	3.846	30.67	580.6
224	40000	95000	869.00	.1049	.8650-01	.1043	.5147-02	.4245-02	.5216-02	3.256	25.94	577.2
224	50000	00000	871.00	.5309	.4193	.4442	.2606-01	.2038-01	.2180-01	13.16	100.4	704.8
224	50000	50000-01	872.00	.3630	.2926	.3345	.1782-01	.1436-01	.1637-01	9.955	72.55	651.2
224	50000	10000+00	873.00	.2191	.1785	.2080	.1075-01	.8761-02	.1021-01	6.362	45.54	618.1
224	50000	20000	874.00	.1451	.1189	.1399	.7120-02	.5829-02	.6534-02	4.321	30.15	603.0
224	50000	30000	875.00	.1218	.9980-01	.1177	.5979-02	.4900-02	.5778-02	3.651	25.52	599.3
224	50000	40000	876.00	.1056	.8560-01	.1042	.5182-02	.4249-02	.5014-02	3.173	22.21	587.4
224	50000	50000	877.00	.1042	.8550-01	.1010	.5115-02	.4197-02	.4956-02	3.143	21.33	585.4
224	50000	60000	878.00	.8200-01	.6760-01	.7930-01	.4023-02	.3318-02	.3908-02	2.544	19.56	577.3
224	50000	70000	879.00	.6085	.4611	.4930	.2986-01	.2263-01	.2419-01	12.56	95.74	789.3
224	60000	80000	880.00	.4480	.3507	.3732	.2199-01	.1721-01	.1827-01	10.65	90.56	725.5
224	60000	90000-01	881.00	.5084	.4288	.4510	.2495-01	.1977-01	.2214-01	12.80	91.25	697.0
224	60000	00000-01	882.00	.2924	.2344	.2609	.1435-01	.1150-01	.1320-01	7.790	71.04	667.1
224	60000	75000-01	883.00	.3332	.2446	.2814	.1488-01	.1200-01	.1401-01	8.344	58.84	649.1
224	60000	10000+00	884.00	.2838	.1836	.2238	.1109-01	.9010-02	.1057-01	6.478	44.72	625.3
224	60000	20000	885.00	.1574	.1267	.1521	.7725-02	.6316-02	.7463-02	4.656	32.43	607.2
224	60000	30000	886.00	.1545	.1263	.1493	.7584-02	.6201-02	.7327-02	4.569	29.89	607.4
224	60000	40000	887.00	.1479	.1210	.1478	.7261-02	.5939-02	.7007-02	4.387	29.62	605.7
224	60000	50000	888.00	.1333	.1133	.1298	.6788-02	.5560-02	.6571-02	4.134	27.98	600.8
224	60000	60000	889.00	.1247	.1023	.1208	.6121-02	.5021-02	.5930-02	3.756	25.48	596.2
224	60000	70000	891.00	.8500-01	.7330-01	.6870-01	.4358-02	.3596-02	.4320-02	2.736	19.92	583.4
224	60000	85000	892.00	.9340-01	.8190-01	.6830-01	.4879-02	.4021-02	.4849-02	2.073	22.04	580.1
224	60000	90000	893.00	.8900-01	.7470-01	.6830-01	.4321-02	.3566-02	.4357-02	3.074	22.38	575.4
224	60000	50000	894.00	.7070-01	.5840-01	.7160-01	.3470-02	.2867-02	.3516-02	2.220	16.55	570.0
224	65000	00000	895.00	.3152	.2516	.2660	.1547-01	.1235-01	.1305-01	8.232	66.07	677.8
224	70000	10000	896.00	.1604	.1297	.1337	.7872-02	.6389-02	.6710-02	6.480	55.98	640.7
224	70000	25000-01	897.00	.2325	.1837	.2033	.1141-01	.9262-02	.1022-01	6.614	58.83	630.2
224	70000	40000	898.00	.2175	.1770	.2070	.1067-01	.8697-02	.1016-01	6.272	42.00	622.3
224	70000	60000	899.00	.1654	.1515	.1734	.9039-02	.7434-02	.8759-02	5.461	32.71	609.6
224	70000	80000	900.00	.1563	.1280	.1512	.7671-02	.6260-02	.7423-02	4.656	27.98	602.9
224	70000	10000	901.00	.1541	.1261	.1491	.7563-02	.6191-02	.7318-02	4.589	28.40	603.1
224	70000	20000	902.00	.2090	.1709	.2034	.1026-01	.8385-02	.8934-02	6.175	38.07	608.0
224	70000	30000	903.00	.1695	.1394	.1716	.8320-02	.6940-02	.8372-02	5.167	36.31	588.9
224	75000	00000	904.00	.2393	.1953	.2055	.1178-01	.9584-02	.1008-01	6.922	52.98	622.1
224	75000	20000-01	905.00	.3698	.2957	.3235	.1815-01	.1456-01	.1612-01	9.912	74.36	683.7
224	75000	40000-01	906.00	.4115	.3322	.3813	.2019-01	.1630-01	.1876-01	11.37	80.30	646.7
224	75000	60000+00	907.00	.3693	.2986	.3513	.1816-01	.1468-01	.1724-01	10.22	67.65	646.9
224	75000	80000	908.00	.2037	.1662	.1932	.9939-02	.8159-02	.9628-02	5.961	40.09	613.7
224	75000	10000	909.00	.1390	.1139	.1313	.6823-02	.5592-02	.6591-02	4.169	25.82	598.9

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(ISO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	T (DOT) DEG. R /SEC	TH DEG. R
224	.75000	.40000	910.00	.1303	.1067	.1259	.6395-02	.5239-02	.6180-02	3.895	24.81	600.7
224	.75000	.60000	911.00	.2350	.1921	.2275	.1153-01	.9429-02	.1117-01	6.952	45.49	607.0
224	.75000	.80000	912.00	.2131	.1744	.2106	.1046-01	.8559-02	.1033-01	6.334	50.72	604.3
224	.75000	.90000	913.00	.1872	.1539	.1982	.9186-02	.7554-02	.9239-02	5.718	40.87	587.4
224	.75000	.95000	914.00	.1414	.1164	.1431	.6940-02	.5712-02	.7025-02	4.338	32.10	584.7
224	.80000	.00000	915.00	.3584	.2867	.3028	.1759-01	.1401-01	.1486-01	9.449	92.36	672.7
224	.80000	.20000	916.00	.4937	.3976	.4744	.2423-01	.1951-01	.2328-01	13.47	88.81	654.2
224	.80000	.40000	917.00	.2053	.1574	.1980	.1008-01	.8218-02	.9717-02	5.990	41.55	615.3
224	.80000	.60000	918.00	.1992	.1634	.2002	.9775-02	.5021-02	.9826-02	6.007	42.77	595.4
224	.85000	.00000	919.00	.4019	.3221	.3401	.1572-01	.1581-01	.1659-01	10.71	80.20	667.0
224	.85000	.20000	920.00	.4538	.3662	.4352	.2227-01	.1797-01	.2135-01	12.52	85.50	647.7
224	.85000	.40000	921.00	.4966	.3995	.4771	.2437-01	.1961-01	.2342-01	13.47	94.64	657.1
224	.90000	.00000	922.00	.2269	.1849	.1945	.1114-01	.9073-02	.9545-02	6.577	50.41	619.4
224	.90000	.20000	923.00	.2787	.2278	.2665	.1368-01	.1118-01	.1308-01	8.231	59.20	609.2
224	.90000	.40000	924.00	.3940	.3187	.3771	.1934-01	.1564-01	.1851-01	11.01	75.46	640.4
224	.90000	.60000	925.00	.4378	.3534	.4203	.2149-01	.1734-01	.2063-01	12.10	82.65	646.8
224	.90000	.80000	926.00	.4167	.3369	.4012	.2045-01	.1653-01	.1949-01	11.60	79.43	642.5
224	.90000	.00000	927.00	.3012	.2455	.2970	.1478-01	.1205-01	.1458-01	8.750	65.93	618.0
224	.95000	.00000	928.00	.2379	.1945	.2397	.1167-01	.9547-02	.1176-01	7.042	54.31	606.6
224	.95000	.20000	929.00	.1262	.1041	.1092	.6192-02	.5109-02	.5359-02	3.926	28.69	575.9
224	.95000	.40000	930.00	.1839	.1510	.1723	.9025-02	.7414-02	.8456-02	5.581	39.17	591.4
224	.95000	.60000	931.00	.2018	.1655	.1920	.1470-01	.1200-01	.1413-01	5.077	43.97	596.2
224	.95000	.80000	932.00	.2996	.2444	.2879	.3904-02	.8124-02	.9422-02	8.759	58.89	614.1
224	.95000	.00000	933.00	.3719	.3013	.3578	.1825-01	.1479-01	.1756-01	10.47	71.84	636.6
224	.95000	.20000	934.00	.2950	.2407	.2857	.1453-01	.1182-01	.1402-01	8.500	60.65	624.8
224	.95000	.40000	935.00	.2376	.1942	.2377	.1166-01	.9531-02	.1137-01	7.008	51.24	609.0
224	.95000	.60000	936.00	.2295	.1880	.2280	.1127-01	.9228-02	.1119-01	6.857	49.49	601.2
224	.95000	.80000	937.00	.1704	.1401	.1714	.8362-02	.6874-02	.8415-02	5.191	38.33	589.1

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL18)

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PSIA	PSIA	P	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
244	7.900	.5420	40.02	.0000	180.0	110.2	.1200-01	1268.	94.00	94.40	.5350	3754.	.1093-04
245	7.900	.5402	40.05	.0000	180.0	110.4	.1200-01	1272.			.5360	3760.	.1091-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
244	.7570-07		.1789-01	0.0175
245	.7596-07		.1792-01	.5499-01
				.5506-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAK)	H19T0 BTU/ R FT2SEC	H1T0 BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
245	.30000	.00000	845.00	.4310-01	.3560-01	.3870-01	.7726-03	.6383-03	.6926-03	.4670	5.210	540.6
245	.30000	.50000-01	846.00	.1505	.1239	.1356	.2695-02	.2219-02	.2429-02	1.596	17.70	552.7
245	.30000	.10000+00	847.00	.1355	.1116	.1226	.2428-02	.2000-02	.2200-02	1.443	12.32	550.7
245	.30000	.20000	845.00	.1249	.1030	.1142	.2238-02	.1845-02	.2046-02	1.335	9.577	548.1
245	.30000	.40000	850.00	.8420-01	.6940-01	.7760-01	.1509-02	.1243-02	.1389-02	.8960	6.419	550.8
245	.30000	.50000	851.00	.6880-01	.5660-01	.6380-01	.1232-02	.1014-02	.1143-02	.7310	5.409	551.3
245	.30000	.60000	852.00	.6600-01	.5440-01	.6120-01	.1163-02	.9740-03	.1097-02	.7020	5.199	550.8
245	.30000	.70000	853.00	.6050-01	.4940-01	.5570-01	.1075-02	.8858-03	.9987-03	.6400	4.583	549.9
245	.30000	.80000	854.00	.5800-01	.4780-01	.5420-01	.1039-02	.8561-03	.9703-03	.6190	4.587	548.8
245	.30000	.90000	855.00	.3840-01	.3170-01	.3670-01	.6871-03	.5673-03	.6569-03	.4140	3.026	542.3
245	.30000	.95000	855.00	.4460-01	.3650-01	.4310-01	.7992-03	.6502-03	.7719-03	.4830	3.477	540.6
245	.35000	.00000	857.00	.1014	.8360-01	.9070-01	.1816-02	.1497-02	.1626-02	1.085	9.280	547.4
245	.40000	.00000	858.00	.1733	.1425	.1545	.3105-02	.2553-02	.2776-02	1.823	18.41	555.7
245	.40000	.50000-01	859.00	.3424	.2812	.3026	.6135-02	.5039-02	.5426-02	3.587	25.57	560.2
245	.40000	.10000+00	860.00	.2410	.1922	.2180	.4317-02	.3550-02	.3905-02	2.543	18.17	555.8
245	.40000	.20000	861.00	.1476	.1214	.1360	.2644-02	.2176-02	.2436-02	1.564	11.56	553.3
245	.40000	.30000	862.00	.1178	.9700-01	.1093	.2111-02	.1738-02	.1957-02	1.250	8.945	552.6
245	.40000	.40000	863.00	.9640-01	.7930-01	.8940-01	.1727-02	.1422-02	.1602-02	1.023	7.826	552.4
245	.40000	.60000	864.00	.9090-01	.7490-01	.8410-01	.1628-02	.1342-02	.1507-02	.9710	6.541	548.6

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVILIB)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(910) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
245	40000	70000	865.00	.8930-01	.7350-01	.8280-01	.1600-02	.1318-02	.1484-02	.9520	6.407	549.8
245	40000	75000	866.00	.7560-01	.6230-01	.7040-01	.1355-02	.1117-02	.1262-02	.8080	5.987	548.4
245	40000	80000	867.00	.6710-01	.5530-01	.6350-01	.1201-02	.9910-03	.1137-02	.7200	5.435	545.4
245	40000	90000	868.00	.5950-01	.4830-01	.5640-01	.1049-02	.8656-03	.1011-02	.6300	5.401	543.9
245	40000	95000	869.00	.4840-01	.4000-01	.4700-01	.8670-03	.7159-03	.8419-03	.5230	4.238	542.1
245	50000	00000	871.00	.4854	.3970	.4325	.8696-02	.7112-02	.7749-02	4.965	40.36	573.9
245	50000	50000-01	872.00	.3534	.2901	.3140	.6331-02	.5198-02	.5626-02	3.694	28.13	561.4
245	50000	100000+00	873.00	.2164	.1781	.1974	.3877-02	.3191-02	.3537-02	2.295	16.96	553.1
245	50000	20000	874.00	.1480	.1219	.1357	.2651-02	.2183-02	.2449-02	1.574	11.27	551.1
245	50000	30000	875.00	.1131	.9320-01	.1047	.2027-02	.1670-02	.1877-02	1.205	8.635	550.1
245	50000	40000	876.00	.1007	.8370-01	.9340-01	.1805-02	.1486-02	.1673-02	1.072	7.677	550.9
245	50000	50000	877.00	.8930-01	.7360-01	.8290-01	.1600-02	.1318-02	.1485-02	.9520	6.608	549.8
245	50000	60000	878.00	.5820-01	.4800-01	.5410-01	.1043-02	.8608-03	.9701-03	6.280	4.910	542.8
245	50000	70000	879.00	.6242	.5053	.5523	.1118-01	.9052-02	.9903-02	5.042	50.24	604.6
245	60000	00000	880.00	.5737	.4650	.5855	.1028-01	.8331-02	.9109-02	5.596	50.51	600.3
245	60000	25000-01	881.00	.6964	.5672	.6031	.1248-01	.1016-01	.1020-01	6.965	52.41	586.3
245	60000	50000-01	882.00	.3837	.3113	.3384	.6820-02	.5577-02	.6062-02	3.894	37.15	573.9
245	60000	75000-01	883.00	.3876	.3177	.3510	.6945-02	.5691-02	.6288-02	4.012	29.45	567.1
245	60000	100000+00	884.00	.2824	.2371	.2640	.5167-02	.4243-02	.4729-02	3.035	21.67	557.3
245	60000	20000	885.00	.1832	.1484	.1663	.3228-02	.2658-02	.2989-02	1.915	13.71	551.8
245	60000	30000	886.00	.1619	.1333	.1493	.2901-02	.2388-02	.2685-02	1.720	11.57	551.9
245	60000	40000	887.00	.1379	.1135	.1275	.2470-02	.2033-02	.2284-02	1.464	10.15	549.9
245	60000	50000	888.00	.1233	.1015	.1143	.2208-02	.1819-02	.2048-02	1.314	9.119	549.9
245	60000	60000	889.00	.1037	.8950-01	.1009	.1948-02	.1605-02	.1808-02	1.160	8.056	549.2
245	60000	80000	891.00	.6950-01	.5730-01	.6580-01	.1245-02	.1027-02	.1179-02	.7460	5.537	545.6
245	60000	90000	892.00	.6030-01	.4680-01	.7700-01	.1450-02	.1196-02	.1379-02	.8710	6.358	544.3
245	60000	95000	893.00	.6890-01	.5690-01	.6650-01	.1235-02	.1020-02	.1193-02	.7440	5.628	542.1
245	65000	00000	894.00	.5320-01	.4330-01	.5.61-01	.9538-03	.7872-03	.9253-03	5.760	4.761	540.0
245	65000	00000	895.00	.3556	.2938	.3602	.6443-02	.5233-02	.5737-02	3.655	30.79	577.6
245	70000	00000	896.00	.1531	.1256	.1367	.2742-02	.2251-02	.2449-02	2.598	20.76	562.0
245	70000	25000-01	897.00	.2440	.2005	.2121	.4372-02	.3592-02	.3801-02	2.561	23.59	559.1
245	70000	50000	898.00	.2632	.2165	.2405	.4716-02	.3878-02	.4798-02	2.778	19.23	555.8
245	70000	75000	899.00	.2024	.1716	.1923	.3734-02	.3074-02	.3445-02	2.212	13.63	552.5
245	70000	90000	900.00	.1707	.1407	.1583	.3059-02	.2550-02	.2636-02	1.821	11.24	549.5
245	70000	95000	901.00	.1472	.1213	.1363	.2637-02	.2173-02	.2445-02	1.571	9.975	549.0
245	70000	00000	902.00	.1333	.1099	.1237	.2388-02	.1968-02	.2216-02	1.424	9.046	548.4
245	70000	50000	903.00	.8060-01	.6660-01	.7770-01	.1445-02	.1193-02	.1392-02	.8700	6.254	542.8
245	70000	00000	904.00	.1337	.1102	.1197	.2395-02	.1975-02	.2445-02	1.434	11.40	546.1
245	75000	25000-01	905.00	.3267	.2678	.2830	.5653-02	.4797-02	.5070-02	3.383	26.61	566.8
245	75000	50000-01	906.00	.3379	.2776	.3023	.6053-02	.4973-02	.5427-02	3.544	26.12	559.3
245	75000	100000+00	907.00	.2920	.2400	.2667	.5231-02	.4300-02	.4778-02	3.073	21.25	557.4
245	75000	20000	908.00	.1892	.1558	.1747	.3390-02	.2791-02	.3131-02	2.009	13.93	552.2
245	75000	30000	909.00	.1669	.1392	.1564	.3027-02	.2494-02	.2802-02	1.805	11.46	548.5

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(RV1118)

OH-49B (AEDC V41B-57A) CRBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAN)	H(9T0) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
245	.75000	.40000	910.00	.1455	.1199	.1348	.2607-02	.2148-02	.2414-02	1.554	10.16	548.6
245	.75000	.60000	911.00	.1311	.1081	.1217	.2348-02	.1936-02	.2180-02	1.405	9.470	546.7
245	.75000	.80000	912.00	.9520-01	.7850-01	.9000-01	.1705-02	.1406-02	.1613-02	1.022	8.427	545.4
245	.75000	.90000	913.00	.8290-01	.6940-01	.7980-01	.1484-02	.1226-02	.1430-02	.8950	6.547	541.8
245	.75000	.95000	914.00	.6140-01	.5070-01	.5950-01	.1099-02	.9031-03	.1066-02	.6640	5.027	540.4
245	.80000	.00000	915.00	.2679	.2196	.2351	.4799-02	.3934-02	.4283-02	2.777	25.49	566.3
245	.80000	.20000	916.00	.2151	.1772	.1968	.3854-02	.3174-02	.3561-02	2.288	15.67	551.3
245	.80000	.40000	917.00	.1520	.1252	.1406	.2722-02	.2243-02	.2518-02	1.621	11.62	549.4
245	.80000	.60000	918.00	.9000-01	.7430-01	.8360-01	.1613-02	.1331-02	.1552-02	.9710	7.094	542.9
245	.85000	.00000	919.00	.3035	.2490	.2710	.5438-02	.4461-02	.4855-02	3.159	24.88	564.0
245	.85000	.20000	920.00	.2030	.1720	.1926	.3744-02	.3082-02	.3751-02	2.218	15.87	552.5
245	.85000	.40000	921.00	.1679	.1382	.1551	.3007-02	.2477-02	.2771-02	1.786	13.22	550.9
245	.90000	.00000	922.00	.1729	.1423	.1547	.4022-02	.3312-02	.3689-02	1.832	14.51	553.6
245	.90000	.10000+00	923.00	.2245	.1849	.2059	.3098-02	.2550-02	.2771-02	2.388	17.67	551.1
245	.90000	.20000	924.00	.2129	.1752	.1958	.3814-02	.3138-02	.3507-02	2.255	16.12	553.6
245	.90000	.30000	925.00	.1950	.1606	.1799	.3493-02	.2876-02	.3223-02	2.073	14.85	551.2
245	.90000	.50000	926.00	.1684	.1371	.1539	.2981-02	.2455-02	.2757-02	1.772	12.69	550.6
245	.90000	.80000	927.00	.1092	.9010-01	.1032	.1957-02	.1614-02	.1849-02	1.172	9.150	546.1
245	.90000	.90000	928.00	.8990-01	.7420-01	.8570-01	.1610-02	.1329-02	.1553-02	.9670	7.698	543.9
245	.95000	.00000	929.00	.9430-01	.7780-01	.8450-01	.1689-02	.1395-02	.1514-02	1.018	7.571	541.8
245	.95000	.50000-01	930.00	.1501	.1238	.1351	.2689-02	.2218-02	.2421-02	1.609	11.54	546.8
245	.95000	.10000+00	931.00	.1666	.1373	.1560	.2985-02	.2459-02	.2724-02	1.777	13.16	549.6
245	.95000	.20000	932.00	.1952	.1507	.1759	.3497-02	.2880-02	.3224-02	2.076	14.40	551.3
245	.95000	.30000	933.00	.1917	.1578	.1771	.3434-02	.2827-02	.3172-02	2.036	14.58	551.8
245	.95000	.50000	934.00	.1420	.1171	.1315	.2545-02	.2097-02	.2357-02	1.518	11.24	548.5
245	.95000	.70000	935.00	.1225	.1010	.1144	.2194-02	.1809-02	.2050-02	1.312	9.893	547.0
245	.95000	.80000	936.00	.1203	.9930-01	.1144	.2156-02	.1779-02	.2050-02	1.294	9.608	544.5
245	.95000	.90000	937.00	.8280-01	.6840-01	.7980-01	.1483-02	.1225-02	.1429-02	.8940	6.759	541.9

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(RVIL1B)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = 22.00 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
238	7.940	1.009	40.05	.0000	180.0	209.7	.2300-01	1275.	93.70	.9950	3765.	.2020-04
239	7.940	1.010	40.02	.0000	180.0	210.2	.2300-01	1276.	93.70	.9980	3767.	.2023-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
238	.7541-07	.2442-01	.4048-01	
239	.7546-07	.2445-01	.4044-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF ITAM)	H(9°O) BTU/ R FT2SEC	H(10°) BTU/ R FT2SEC	H(14°) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
239	.30000	.00000	845.00	.4100-01	.3390-01	.3680-01	.1004-02	.8283-03	.8990-03	.6050	6.736	545.1
239	.30000	.50000-01	846.00	.1431	.1175	.1288	.3500-02	.2874-02	.3150-02	2.049	22.62	562.3
239	.30000	.10000+00	847.00	.1365	.1122	.1236	.3338-02	.2743-02	.3021-02	1.965	16.71	559.2
239	.30000	.20000	848.00	.1267	.1043	.1158	.3099-02	.2549-02	.2831-02	1.834	13.10	556.1
239	.30000	.40000	850.00	.7860-01	.6460-01	.7230-01	.1921-02	.1579-02	.1768-02	1.130	8.060	559.6
239	.30000	.50000	851.00	.6350-01	.5220-01	.5930-01	.1553-02	.1276-02	.1440-02	.9120	6.713	560.9
239	.30000	.60000	852.00	.6110-01	.5020-01	.5660-01	.1494-02	.1228-02	.1385-02	.8780	6.471	560.1
239	.30000	.70000	853.00	.5240-01	.4310-01	.4860-01	.1281-02	.1053-02	.1189-02	.7540	5.380	559.2
239	.30000	.80000	854.00	.5600-01	.4600-01	.5230-01	.1369-02	.1125-02	.1278-02	.8070	5.952	558.2
239	.30000	.90000	855.00	.4130-01	.3410-01	.3930-01	.1170-02	.8633-03	.5663-03	.6080	4.432	546.9
239	.30000	.95000	856.00	.4780-01	.3950-01	.4620-01	.1170-02	.9655-03	.1130-02	.7050	5.068	544.9
239	.35000	.00000	857.00	.1030	.8480-01	.9210-01	.2518-02	.2073-02	.2252-02	1.495	12.75	554.2
239	.40000	.00000	858.00	.1727	.1416	.1541	.4222-02	.3463-02	.3768-02	2.457	24.61	565.9
239	.40000	.50000-01	859.00	.3452	.2825	.3017	.8440-02	.6908-02	.7449-02	4.853	34.37	573.0
239	.40000	.10000+00	861.00	.2371	.1945	.2142	.5797-02	.4754-02	.5237-02	3.370	23.94	566.7
239	.40000	.20000	861.00	.1459	.1198	.1343	.3566-02	.2928-02	.3284-02	2.087	15.35	562.8
239	.40000	.30000	862.00	.1196	.9820-01	.1108	.2924-02	.2401-02	.2709-02	1.712	12.19	562.5
239	.40000	.40000	863.00	.9900-01	.8130-01	.9180-01	.2421-02	.1988-02	.2244-02	1.420	10.81	561.4
239	.40000	.50000	864.00	.8990-01	.7390-01	.8310-01	.2198-02	.1807-02	.2033-02	1.298	8.706	557.2

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AEDC VKF V418-57A (04-498) COLLATION DECK

04-498 (AEDC V418-57A) ORBITER LOWER WING

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(RVIL18)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(19T) BTU/R FT/SEC	H(10) BTU/R FT/SEC	H(TAM) BTU/R FT/SEC	QDOT BTU/ FT/SEC	DTWOT DEG. R /SEC	TH DEG. R
239	40000	70000	865.00	.8930-01	.7330-01	.8330-01	.2197-02	.1806-02	.2036-02	1.296	8.691	557.9
239	40000	75000	866.00	.7210-01	.6380-01	.7220-01	.1897-02	.1560-02	.1765-02	1.123	8.287	556.0
239	40000	85000	867.00	.7210-01	.5940-01	.6820-01	.1762-02	.1451-02	.1667-02	1.050	7.834	552.2
239	40000	90000	868.00	.6090-01	.5020-01	.5850-01	.1488-02	.1226-02	.1433-02	.8890	7.596	550.2
239	40000	95000	869.00	.5200-01	.4290-01	.5050-01	.1271-02	.1048-02	.1234-02	.7630	6.167	547.7
239	50000	00000	871.00	.4832	.3934	.4233	.1181-01	.9617-02	.1050-01	6.598	53.22	589.4
239	50000	50000-01	872.00	.3504	.2867	.3107	.8566-02	.7009-02	.7597-02	4.919	37.22	573.8
239	50000	10000+00	873.00	.2121	.1742	.1933	.5186-02	.4258-02	.4725-02	3.034	22.32	562.9
239	50000	20000	874.00	.1478	.1213	.1363	.3610-02	.2966-02	.3332-02	2.121	15.12	560.3
239	50000	30000	875.00	.1109	.9120-01	.1026	.2712-02	.2229-02	.2509-02	1.596	11.38	559.3
239	50000	40000	876.00	.9800-01	.8060-01	.9030-01	.2397-02	.1970-02	.2220-02	1.412	10.07	558.9
239	50000	60000	877.00	.8790-01	.7230-01	.8150-01	.2149-02	.1767-02	.1993-02	1.269	8.773	557.7
239	50000	90000	878.00	.5510-01	.4540-01	.5120-01	.1346-02	.1110-02	.1252-02	.8070	6.290	548.8
239	55000	00000	879.00	.6248	.5015	.5504	.1528-01	.1226-01	.1346-01	7.927	65.12	623.7
239	60000	00000	880.00	.5714	.4596	.5040	.1397-01	.1124-01	.1232-01	7.323	65.35	605.7
239	60000	25000-01	881.00	.6942	.5539	.5901	.1673-01	.1354-01	.1443-01	9.072	67.58	589.4
239	60000	50000-01	882.00	.3749	.3052	.3324	.9166-02	.7462-02	.8127-02	5.120	38.76	579.9
239	60000	75000-01	883.00	.3826	.3124	.3458	.9354-02	.7639-02	.8455-02	5.314	29.01	566.7
239	60000	10000+00	884.00	.2873	.2356	.2628	.7025-02	.5761-02	.6424-02	4.083	18.19	558.8
239	60000	20000	885.00	.1770	.1455	.1638	.4328-02	.3558-02	.4004-02	2.550	15.03	561.6
239	60000	30000	886.00	.1567	.1287	.1449	.3830-02	.3146-02	.3543-02	2.246	13.50	560.7
239	60000	40000	887.00	.1362	.1119	.1259	.3331-02	.2736-02	.3077-02	1.956	12.19	559.1
239	60000	50000	888.00	.1225	.1007	.1135	.2995-02	.2462-02	.2776-02	1.572	10.87	557.0
239	60000	60000	889.00	.1038	.8950-01	.1009	.2650-02	.2188-02	.2467-02	1.078	7.369	552.5
239	60000	80000	890.00	.7400-01	.6100-01	.7000-01	.1809-02	.1490-02	.1712-02	1.279	9.314	549.9
239	60000	10000-01	891.00	.8750-01	.7210-01	.8320-01	.2139-02	.162-02	.2034-02	1.059	7.992	547.9
239	60000	50000	892.00	.7220-01	.5950-01	.6970-01	.1765-02	.1455-02	.1704-02	1.059	6.052	545.0
239	60000	95000	893.00	.5440-01	.4490-01	.5280-01	.1330-02	.1097-02	.1291-02	.8020	40.52	592.3
239	65000	00000	894.00	.3566	.2900	.3166	.8718-02	.7090-02	.7741-02	4.844	28.10	570.9
239	70000	00000	895.00	.1540	.1262	.1374	.376-02	.3094-02	.3359-02	2.173	31.98	568.3
239	70000	25000-01	896.00	.2460	.2017	.2135	.6015-02	.4930-02	.5220-02	3.487	25.42	564.0
239	70000	50000+00	897.00	.2303	.2120	.2358	.6316-02	.5184-02	.5765-02	3.688	19.01	557.7
239	70000	75000	898.00	.2143	.1762	.1977	.5240-02	.4309-02	.4834-02	3.093	14.89	556.8
239	70000	90000	899.00	.1675	.1379	.1553	.4098-02	.3370-02	.3797-02	2.422	13.57	557.3
239	70000	40000	901.00	.1487	.1223	.1378	.3535-02	.2989-02	.3368-02	2.147	12.39	557.8
239	70000	60000	902.00	.1359	.1117	.1260	.3321-02	.2731-02	.3020-02	1.960	12.39	557.8
239	70000	80000	903.00	.8210-01	.6770-01	.7910-01	.2006-02	.1654-02	.1933-02	1.204	6.634	547.9
239	75000	00000	904.00	.1541	.1270	.1380	.3768-02	.3106-02	.3373-02	2.254	17.88	549.8
239	75000	25000-01	905.00	.3311	.2705	.2862	.8095-02	.6614-02	.6997-02	4.610	36.06	578.5
239	75000	50000	906.00	.3355	.2750	.3004	.8203-02	.6723-02	.7345-02	4.752	34.85	568.7
239	75000	75000	907.00	.2881	.2363	.2629	.7044-02	.5777-02	.6428-02	4.098	28.21	566.3
239	75000	10000+00	908.00	.2881	.2363	.2629	.4850-02	.3937-02	.4476-02	2.859	19.76	558.4
239	75000	20000	909.00	.1984	.1631	.1831	.4157-02	.3421-02	.3846-02	2.464	15.60	555.3
239	75000	30000	909.00	.1700	.1399	.1573						

AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) OFBITER LOWER WING

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LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
225	8.000	3.755	40.10	.0000	180.0	863.5	.8800-01	1345.	97.50	3.962	3870.	.7614-04
226	8.000	3.757	40.09	.0000	180.0	863.8	.8800-01	1345.	97.50	3.964	3870.	.7617-04

RUN NUMBER	MU	HREF BTU/ R /FT2	ST FR R =
225	LB-SEC /FT2		0.0175
226	.7846-07	.4918-01	.2096-01
226	.7846-07	.4918-01	.2096-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/ R /FT2SEC	H1TO BTU/ R /FT2SEC	H17AW BTU/ R /FT2SEC	QOOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
226	.30000	.00000	845.00	.4420-01	.3670-01	.3570-01	.2176-02	.1804-02	.1955-02	1.417	15.67	559.1
226	.30000	.50000-01	846.00	.1372	.1121	.1231	.6747-02	.5511-02	.6053-02	4.048	43.53	610.4
226	.30000	.10000+00	847.00	.1198	.8920-01	.1083	.5893-02	.4832-02	.5325-02	3.607	30.08	598.3
226	.30000	.20000	848.00	.1238	.1017	.1130	.6087-02	.5001-02	.5555-02	3.771	26.48	590.8
226	.30000	.40000	850.00	.9700-01	.7940-01	.6510-01	.4770-02	.3905-02	.4381-02	2.896	20.21	603.2
226	.30000	.50000	851.00	.1597	.1303	.1470	.7854-02	.6407-02	.7258-02	4.680	33.56	614.5
226	.30000	.60000	852.00	.2523	.2053	.2228	.1241-01	.1010-01	.1145-01	7.297	52.12	622.4
226	.30000	.70000	853.00	.3179	.2578	.2534	.1553-01	.1268-01	.1443-01	9.018	62.01	633.6
226	.30000	.80000	854.00	.3292	.2668	.3055	.1619-01	.1312-01	.1503-01	9.299	65.98	636.2
226	.30000	.90000	855.00	.1838	.1508	.1754	.9039-02	.7418-02	.8277-02	5.561	39.60	595.1
226	.30000	.95000	856.00	.1652	.1358	.1594	.8127-02	.6679-02	.7840-02	5.042	35.41	590.9
226	.35000	.00000	857.00	.1068	.8690-01	.9560-01	.5255-02	.4330-02	.4704-02	3.308	27.82	580.9
226	.40000	.50000-01	858.00	.1763	.1439	.1569	.8671-02	.7077-02	.7718-02	5.176	50.63	613.5
226	.40000	.50000+00	859.00	.3471	.2811	.3142	.1707-01	.1393-01	.1496-01	9.786	67.16	637.2
226	.40000	.10000+00	860.00	.2598	.2112	.2335	.1278-01	.1039-01	.1149-01	7.476	51.61	625.2
226	.40000	.20000	861.00	.1813	.1479	.1664	.8915-02	.7272-02	.8433-02	5.308	38.05	615.0
226	.40000	.30000	862.00	.2015	.1642	.1660	.9912-02	.8075-02	.9150-02	5.858	40.56	619.4
226	.40000	.40000	863.00	.2404	.1956	.2219	.1183-01	.9620-02	.1032-01	6.935	51.22	623.9
226	.40000	.60000	864.00	.3695	.3005	.3401	.1817-01	.1478-01	.1673-01	10.63	68.95	625.3

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (°AU)	H(9T) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(1AW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
226	40000	70000	865.00	.3667	.2976	.3373	.1803-01	.1463-01	.1662-01	10.44	67.51	631.4
226	40000	75000	865.00	.3443	.2638	.3005	.1595-01	.1298-01	.1478-01	9.353	66.76	624.1
226	40000	85000	867.00	.2432	.2013	.2324	.1211-01	.9902-02	.1143-01	7.300	53.42	607.6
226	40000	90000	868.00	.2146	.1756	.2064	.1056-01	.8637-02	.1010-01	6.391	53.13	604.9
226	40000	95000	869.00	.1934	.1584	.1873	.9512-02	.7791-02	.9223-02	5.789	45.57	601.8
226	50000	00000	871.00	.1685	.1353	.1423	.2304-01	.1846-01	.2028-01	12.48	96.87	668.7
226	50000	50000-01	872.00	.3653	.2946	.3210	.1797-01	.1449-01	.1579-01	10.06	73.49	649.5
226	50000	10000+0	873.00	.2434	.1981	.2207	.1197-01	.9743-02	.1086-01	7.035	50.24	622.9
226	50000	20000	874.00	.1936	.1590	.1781	.9520-02	.7771-02	.8760-02	5.687	39.50	613.0
226	50000	30000	875.00	.1856	.1515	.1712	.9130-02	.7452-02	.8420-02	5.455	37.88	612.9
226	50000	40000	876.00	.2225	.1814	.2053	.1094-01	.8920-02	.1010-01	6.493	45.01	616.9
226	50000	50000	877.00	.3020	.2456	.2787	.1485-01	.1208-01	.1371-01	8.706	58.25	624.2
226	50000	60000	878.00	.2224	.1819	.2061	.1094-01	.8947-02	.1014-01	6.615	50.15	605.6
226	55000	00000	879.00	.5632	.4376	.4863	.2770-01	.2152-01	.2394-01	12.99	101.2	741.5
226	60000	00000	880.00	.5646	.4395	.4883	.2777-01	.2161-01	.2402-01	13.11	110.9	738.0
226	60000	25000-01	881.00	.6777	.5322	.5715	.3333-01	.2618-01	.2811-01	16.40	115.8	718.3
226	60000	50000-01	882.00	.4062	.3229	.3543	.1938-01	.1588-01	.1745-01	10.41	93.99	689.1
226	60000	75000-01	883.00	.4103	.3286	.3663	.2018-01	.1616-01	.1805-01	10.92	76.28	669.1
226	60000	10000+0	884.00	.3195	.2584	.2902	.1572-01	.1271-01	.1427-01	8.941	61.24	641.4
226	60000	20000	885.00	.2174	.1771	.2003	.1069-01	.8711-02	.9853-02	6.323	43.78	619.0
226	60000	30000	886.00	.2097	.1707	.1932	.1031-01	.8397-02	.9500-02	6.083	39.54	620.4
226	60000	40000	887.00	.2045	.1665	.1882	.1006-01	.8190-02	.9255-02	5.930	39.74	620.9
226	60000	50000	888.00	.2185	.1781	.2017	.1074-01	.8762-02	.9923-02	6.384	42.89	616.2
226	60000	60000	889.00	.2338	.1909	.2161	.1150-01	.9387-02	.1063-01	6.870	46.22	613.0
226	60000	80000	891.00	.2210	.1809	.2087	.1087-01	.8893-02	.1026-01	6.606	47.65	602.6
226	60000	85000	892.00	.2409	.1974	.2287	.1165-01	.9708-02	.1125-01	7.226	51.32	600.5
226	60000	90000	893.00	.2212	.1815	.2133	.1088-01	.8925-02	.1049-01	6.675	49.09	597.0
226	60000	95000	894.00	.1909	.1569	.1852	.9387-02	.7715-02	.9107-02	5.825	43.00	589.8
226	65000	00000	895.00	.3441	.2762	.3033	.1693-01	.1359-01	.1492-01	9.259	74.82	663.4
226	70000	00000	896.00	.1615	.1314	.1435	.7944-02	.6461-02	.7056-02	4.657	58.65	624.2
226	70000	25000-01	897.00	.2534	.2074	.2201	.1256-01	.1020-01	.1083-01	7.303	65.00	629.0
226	70000	50000+0	898.00	.2733	.2216	.2473	.1344-01	.1090-01	.1219-01	7.737	51.50	634.9
226	70000	75000	899.00	.2445	.1990	.2245	.1203-01	.9790-02	.1104-01	7.077	42.13	622.0
226	70000	90000	900.00	.2071	.1690	.1912	.1018-01	.8311-02	.9404-02	6.077	36.33	613.7
226	70000	95000	901.00	.1939	.1623	.1935	.9781-02	.7981-02	.9031-02	5.832	35.85	614.1
226	70000	00000	902.00	.2087	.1704	.1923	.1027-01	.8381-02	.9450-02	6.136	37.75	612.7
226	70000	50000	903.00	.2927	.2393	.2614	.1439-01	.1177-01	.1384-01	8.677	60.42	607.6
226	70000	00000	904.00	.2232	.1827	.1990	.1098-01	.8985-02	.9788-02	6.655	51.39	604.2
226	75000	25000-01	905.00	.3311	.2672	.2835	.1629-01	.1314-01	.1394-01	9.151	69.16	648.5
226	75000	50000-01	906.00	.3430	.2773	.3047	.1687-01	.1364-01	.1498-01	9.580	67.77	642.6
226	75000	75000	907.00	.3142	.2540	.2746	.1545-01	.1249-01	.1400-01	8.771	58.16	642.9
226	75000	00000	908.00	.2339	.1902	.2148	.1151-01	.9356-02	.1057-01	6.736	45.05	625.0
226	75000	30000	909.00	.2075	.1693	.1912	.1020-01	.8328-02	.9405-02	6.093	37.47	613.2

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RVIL18)

OH-498 (AEDC V41B-57A) (RBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AM) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
226	75000	40000	910.00	.1877	.1531	.1730	.9230-02	.7530-02	.8510-02	5.496	34.77	614.9
226	75000	60000	911.00	.1945	.1589	.1750	.9564-02	.7814-02	.8843-02	5.743	37.52	609.9
226	75000	80000	912.00	.3169	.2579	.2666	.1499-01	.1259-01	.1468-01	9.172	72.82	621.8
226	75000	90000	913.00	.3047	.2495	.2629	.1499-01	.1227-01	.1441-01	9.100	64.54	603.2
226	75000	95000	914.00	.2361	.1935	.2266	.1161-01	.9515-02	.1174-01	7.484	51.99	600.6
226	80000	00000	915.00	.2700	.2180	.2367	.1328-01	.1072-01	.1174-01	7.484	66.04	646.8
226	80000	20000	916.00	.2415	.1962	.2218	.1188-01	.9650-02	.1091-01	6.921	46.23	627.7
226	80000	40000	917.00	.1939	.1579	.1784	.9538-02	.7765-02	.8776-02	5.619	38.85	621.3
226	80000	60000	918.00	.3245	.2648	.2715	.1596-01	.1302-01	.1532-01	9.518	67.15	614.0
226	85000	00000	919.00	.3136	.2539	.2718	.1542-01	.1249-01	.1366-01	8.822	67.00	638.3
226	85000	20000	920.00	.2493	.2022	.2263	.1226-01	.9945-02	.1123-01	7.074	48.64	633.5
226	85000	40000	921.00	.1724	.1422	.1948	.1044-01	.8478-02	.9587-02	6.060	43.13	630.1
226	85000	60000	922.00	.2123	.1724	.2267	.8527-02	.6993-02	.7612-02	5.228	40.51	597.2
226	90000	10000	923.00	.2508	.2042	.2267	.1234-01	.1034-01	.1125-01	7.266	51.93	621.4
226	90000	20000	924.00	.2359	.1913	.2155	.1160-01	.9409-02	.1060-01	6.687	45.96	634.2
226	90000	30000	925.00	.2350	.1906	.2154	.1156-01	.9372-02	.1059-01	6.666	45.83	633.7
226	90000	50000	926.00	.2144	.1742	.1971	.1055-01	.8569-02	.9697-02	6.143	42.35	627.9
226	90000	80000	927.00	.3456	.2807	.2247	.1700-01	.1380-01	.1597-01	8.886	74.10	628.7
226	90000	00000	928.00	.3047	.2483	.2231	.1439-01	.1221-01	.1442-01	8.859	67.90	619.4
226	95000	00000	929.00	.1002	.8300-01	.5010-01	.4930-02	.4084-02	.4427-02	3.200	23.56	561.2
226	95000	50000	930.00	.1645	.1354	.1419	.8033-02	.6660-02	.7277-02	5.059	35.62	585.3
226	95000	10000	931.00	.1816	.1488	.1662	.8334-02	.7317-02	.8127-02	5.437	39.23	601.8
226	95000	20000	932.00	.2113	.1723	.1939	.1039-01	.8473-02	.9537-02	6.165	41.39	617.2
226	95000	30000	933.00	.2158	.1754	.1982	.1061-01	.8627-02	.9749-02	6.198	42.77	626.4
226	95000	50000	934.00	.1639	.1337	.1511	.8063-02	.6576-02	.7433-02	4.794	34.36	615.8
226	95000	70000	935.00	.3616	.2935	.3358	.1779-01	.1444-01	.1632-01	10.31	74.60	630.7
226	95000	80000	936.00	.3992	.3244	.3719	.1963-01	.1596-01	.1859-01	11.45	81.63	627.1
226	95000	90000	937.00	.2830	.2314	.2721	.1392-01	.1138-01	.1338-01	8.386	61.35	607.9

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL19)

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = 5.000 SPDRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL LEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
264	7.900	.5448	20.00	.0000	180.0	110.2	.1200-01	1263.	93.70	.5350	3747.	.1097-04
265	7.900	.5419	19.98	.0000	180.0	109.8	.1200-01	1265.	93.80	.5330	3749.	.1092-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
264	.7545-07	.1788-01	0.0175
265	.7553-07	.1785-01	.5488-01 .5502-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DT/DT DEG. R /SEC	TW DEG. R
265	.30000	.00000	845.00	.3870-01	.3200-01	.3270-01	.6914-03	.5714-03	.5837-03	.4160	4.652	536.5
265	.30000	.50000-01	846.00	.1054	.8680-01	.1035	.1880-02	.1549-02	.1848-02	1.113	12.39	546.3
265	.30000	.10000+00	847.00	.9350-01	.7710-01	.9240-01	.1689-02	.1376-02	.1649-02	.9920	8.498	543.9
265	.30000	.20000	848.00	.8070-01	.6660-01	.8050-01	.1440-02	.1188-02	.1437-02	.8600	6.186	541.5
265	.30000	.40000	850.00	.5080-01	.4190-01	.5100-01	.9062-03	.7476-03	.9111-03	.5400	3.886	542.2
265	.30000	.50000	851.00	.4050-01	.3340-01	.4100-01	.7221-03	.5959-03	.7313-03	.4310	3.207	541.2
265	.30000	.60000	852.00	.3730-01	.3080-01	.3780-01	.6659-03	.5497-03	.6741-03	.3990	2.966	539.8
265	.30000	.70000	853.00	.3200-01	.2550-01	.3250-01	.5717-03	.4722-03	.5795-03	.3430	2.474	538.0
265	.30000	.80000	854.00	.3420-01	.2830-01	.3480-01	.6104-03	.5045-03	.6219-03	.3580	2.741	536.1
265	.30000	.90000	855.00	.2830-01	.2350-01	.2940-01	.5058-03	.4188-03	.5252-03	.3080	2.266	529.5
265	.30000	.00000	856.00	.2350-01	.1930-01	.2460-01	.4198-03	.3478-03	.4392-03	.2570	1.860	527.0
265	.35000	.00000	857.00	.9350-01	.7630-01	.7790-01	.1651-02	.1361-02	.1391-02	.9820	8.412	543.6
265	.40000	.00000	858.00	.2053	.1685	.1723	.3684-02	.3008-02	.3075-02	2.125	21.36	558.4
265	.40000	.50000-01	859.00	.3464	.2844	.3335	.6183-02	.5077-02	.5253-02	2.051	14.70	557.6
265	.40000	.10000+00	860.00	.1952	.1606	.1927	.3483-02	.2867-02	.3440-02	2.051	14.70	549.4
265	.40000	.20000	861.00	.9210-01	.7600-01	.9270-01	.1644-02	.1356-02	.1655-02	.9780	7.263	543.6
265	.40000	.30000	862.00	.7290-01	.6000-01	.7370-01	.1299-02	.1071-02	.1315-02	.7740	5.571	541.9
265	.40000	.40000	863.00	.5590-01	.4700-01	.5770-01	.1016-02	.8388-03	.1029-02	.6080	4.676	540.4
265	.40000	.50000	864.00	.5160-01	.4260-01	.5210-01	.9211-03	.7610-03	.9304-03	.5540	3.754	536.8

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUL NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1GTO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
265	40000	70000	865.00	.606 .01	.5010-01	.6140-01	.1082-02	.8943-03	.1086-02	.6510	4.411	536.8
265	40000	75000	866.00	.5171-01	.4270-01	.5250-01	.9223-03	.7624-03	.9369-03	.5560	4.148	535.3
265	40000	80000	867.00	.5890-01	.4870-01	.6070-01	.1051-02	.8696-03	.1083-02	.6360	4.830	533.3
265	40000	90000	868.00	.4610-01	.3820-01	.4620-01	.8233-03	.6815-03	.8602-03	.5000	4.317	530.5
265	40000	95000	869.00	.3850-01	.3190-01	.4040-01	.6872-03	.5691-03	.7219-03	.4190	3.421	528.6
265	50000	00000	871.00	.5696	.4636	.4744	.1017-01	.8275-02	.8467-02	5.622	45.44	585.3
265	50000	50000-01	872.00	.3018	.2481	.2623	.5386-02	.4428-02	.5217-02	3.149	24.08	553.6
265	50000	10000-00	873.00	.1633	.1346	.1626	.2914-02	.2403-02	.2802-02	1.73	12.85	544.4
265	50000	20000	874.00	.1198	.9890-01	.1108	.2139-02	.1766-02	.2157-02	1.280	9.217	539.8
265	50000	30000	875.00	.1036	.8550-01	.1047	.1849-02	.1526-02	.1668-02	1.106	7.963	539.7
265	50000	40000	876.00	.8740-01	.7220-01	.8610-01	.1560-02	.1289-02	.1578-02	.9340	6.726	539.7
265	50000	50000	877.00	.7110-01	.5870-01	.7000-01	.1269-02	.1048-02	.1285-02	.7620	5.325	537.5
265	50000	60000	878.00	.4690-01	.3680-01	.4750-01	.8367-03	.6327-03	.8484-03	.5090	4.011	529.5
265	50000	70000	879.00	.5567	.4503	.4611	.9936-02	.8037-02	.8229-02	5.320	44.26	602.9
265	60000	00000	880.00	.4107	.3339	.3417	.7330-02	.5961-02	.6100-02	4.034	36.63	588.0
265	60000	20000-01	881.00	.4683	.3831	.4418	.8359-02	.6388-02	.7885-02	4.755	36.07	569.4
265	60000	50000-01	882.00	.2539	.2051	.2438	.4478-02	.3679-02	.4351-02	2.605	25.07	556.6
265	60000	75000-01	883.00	.2430	.2000	.2406	.4337-02	.3559-02	.4295-02	2.551	18.89	549.9
265	60000	10000-00	884.00	.1782	.1478	.1792	.3199-02	.2638-02	.3199-02	1.904	13.69	543.1
265	60000	20000	885.00	.6690-01	.7180-01	.8180-01	.1551-02	.1282-02	.1567-02	.9360	6.762	534.6
265	60000	30000	886.00	.6800-01	.5620-01	.6670-01	.1214-02	.1004-02	.1236-02	.7340	4.977	533.9
265	60000	40000	887.00	.6100-01	.5040-01	.6160-01	.1069-02	.9001-03	.1093-02	.5570	4.591	535.4
265	60000	50000	888.00	.6100-01	.5040-01	.6170-01	.1089-02	.9000-03	.1102-02	.6570	4.597	534.6
265	60000	60000	889.00	.5970-01	.4940-01	.6050-01	.1065-02	.8817-03	.1079-02	.6450	4.511	533.6
265	60000	80000	891.00	.5290-01	.4380-01	.5450-01	.9446-03	.7817-03	.9733-03	.5730	4.283	531.5
265	60000	85000	892.00	.5930-01	.4910-01	.6130-01	.1058-02	.8762-03	.1095-02	.6440	4.736	530.0
265	60000	90000	893.00	.5030-01	.4160-01	.5260-01	.8970-03	.7432-03	.9395-03	.5480	4.176	527.1
265	60000	95000	894.00	.3690-01	.3060-01	.3680-01	.6589-03	.5463-03	.6320-03	.4040	3.082	524.9
265	70000	00000	895.00	.3446	.2811	.2875	.6150-02	.5017-02	.5132-02	3.444	29.01	578.3
265	70000	20000-01	896.00	.1853	.1518	.1552	.3308-02	.2709-02	.2770-02	1.892	24.51	566.5
265	70000	50000	897.00	.2325	.1915	.2192	.4152-02	.3417-02	.3912-02	2.441	22.59	550.4
265	70000	80000	898.00	.1074	.8820-01	.1132	.1917-02	.1585-02	.1931-02	1.57	11.78	539.4
265	70000	90000	899.00	.1074	.8820-01	.1132	.1917-02	.1585-02	.1931-02	1.57	11.78	539.4
265	70000	95000	901.00	.9200-01	.7610-01	.9100-01	.1642-02	.1358-02	.1661-02	.9330	6.352	533.7
265	70000	10000-01	902.00	.1004	.8300-01	.1016	.1468-02	.1214-02	.1485-02	.8900	6.914	534.7
265	70000	20000	903.00	.5260-01	.4360-01	.5500-01	.9331-03	.7784-03	.9809-03	.5750	4.172	525.8
265	70000	30000	904.00	.2259	.1862	.1902	.4032-02	.3323-02	.3396-02	2.388	18.98	546.0
265	70000	40000	905.00	.3777	.3093	.3544	.6741-02	.5520-02	.6326-02	3.056	30.34	566.2
265	70000	50000-01	906.00	.2687	.2379	.2825	.5153-02	.4246-02	.5042-02	3.052	22.64	546.0
265	70000	60000-01	907.00	.1989	.1642	.1985	.3551-02	.2930-02	.3544-02	2.120	14.78	541.3
265	75000	00000	908.00	.1087	.9000-01	.1195	.1941-02	.1606-02	.1956-02	1.176	8.236	532.4
265	75000	20000	909.00	.7710-01	.6390-01	.7790-01	.1376-02	.1139-02	.1390-02	.8370	5.364	530.2

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OH-498 (AEDC V4IB-57A) ORBITER LOWER WING

PUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
265	.75000	.40000	910.00	.6100-01	.5050-01	.6160-01	.1089-02	.9011-03	.1100-02	.6610	4.362	530.9
265	.75000	.60000	911.00	.5990-01	.4960-01	.6070-01	.1069-02	.8556-03	.1083-02	.6520	4.432	529.1
265	.75000	.80000	912.00	.8600-01	.7280-01	.9070-01	.1571-02	.1300-02	.1618-02	.9530	7.911	531.8
265	.75000	.90000	913.00	.7210-01	.5980-01	.7530-01	.1287-02	.1057-02	.1344-02	.7880	5.808	526.1
265	.75000	.95000	914.00	.4360-01	.4130-01	.5320-01	.8590-03	.7372-03	.9325-03	.5460	4.165	524.2
265	.80000	.00000	915.00	.3427	.2802	.2366	.6117-02	.5001-02	.5115-02	3.466	31.73	571.7
265	.80000	.20000	916.00	.1165	.9640-01	.1175	.2079-02	.1720-02	.2057-02	1.259	8.815	532.8
265	.80000	.40000	917.00	.8010-01	.6530-01	.8190-01	.1430-02	.1184-02	.1444-02	.8680	6.276	531.6
265	.80000	.60000	918.00	.4770-01	.3960-01	.4380-01	.8520-03	.7065-03	.8830-03	.5230	3.862	524.0
265	.85000	.00000	919.00	.4124	.3371	.3148	.7361-02	.6017-02	.6154-02	4.168	32.70	572.0
265	.85000	.20000	920.00	.1350	.1116	.1359	.2489-02	.1922-02	.2425-02	1.455	10.51	534.2
265	.85000	.40000	921.00	.9870-01	.8170-01	.9360-01	.1763-02	.1458-02	.1777-02	1.068	7.977	532.4
265	.90000	.00000	922.00	.2538	.2086	.2133	.4530-02	.3724-02	.3807-02	2.645	20.94	554.4
265	.90000	.10000	923.00	.2011	.1632	.2114	.3550-02	.2566-02	.3534-02	2.156	16.07	537.7
265	.90000	.20000	924.00	.1459	.1206	.1465	.2655-02	.2153-02	.2616-02	1.569	11.33	535.8
265	.90000	.30000	925.00	.1147	.9490-01	.1156	.2643-02	.1694-02	.2063-02	1.239	8.950	533.5
265	.90000	.50000	926.00	.9530-01	.7890-01	.9320-01	.1701-02	.1408-02	.1717-02	1.032	7.463	537.8
265	.90000	.80000	927.00	.8060-01	.6630-01	.8310-01	.1442-02	.1195-02	.1483-02	.8800	6.939	527.8
265	.90000	.90000	928.00	.6340-01	.5260-01	.5330-01	.1132-02	.9367-03	.1184-02	.6940	5.578	525.1
265	.95000	.00000	929.00	.1576	.1302	.1330	.2814-02	.2323-02	.2374-02	1.686	12.55	539.0
265	.95000	.10000	930.00	.1541	.1602	.1304	.3464-02	.2659-02	.3398-02	2.068	14.88	541.3
265	.95000	.20000	931.00	.1725	.1425	.1718	.3379-02	.2543-02	.3067-02	1.848	13.76	538.2
265	.95000	.30000	932.00	.1284	.1207	.1470	.2606-02	.2155-02	.2623-02	1.572	10.99	535.1
265	.95000	.40000	933.00	.8570-01	.7100-01	.8360-01	.1530-02	.1696-02	.2311-02	1.387	10.02	533.3
265	.95000	.50000	934.00	.8150-01	.6750-01	.8350-01	.1450-02	.1204-02	.1546-02	.9300	6.954	530.5
265	.95000	.60000	935.00	.8550-01	.7080-01	.8340-01	.1526-02	.1264-02	.1481-02	.8870	6.753	528.2
265	.95000	.80000	936.00	.5830-01	.4640-01	.6390-01	.1041-02	.8637-03	.1577-02	.9340	6.995	526.4
265	.95000	.90000	937.00						.1087-02	.6400	4.887	523.4

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL19)

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = 5.000 SPDBRK = .0300
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RVIL X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TC DEG. R	T DEG. R	O PSIA	V FT/SEC	RHO SLUGS /FT ³
270	7.940	1.018	19.98	.0000	180.0	203.7	.2200-01	1264.	92.90	.9910	3749.	.2029-04
271	7.940	1.029	19.98	.0000	180.0	211.0	.2300-01	1263.	92.80	1.001	3748.	.2032-04

RUN NUMBER	MU	1/8-SEC /FT ²	HREF BTU/ R	ST FR R =
270	.7477-07	.2433-01	.0175	
271	.7470-07	.2445-01	.4035-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(ISTO) BTU/ R FT ² SEC	H(ISO) BTU/ R FT ² SEC	H(ISO) BTU/ R FT ² SEC	H(ISO) BTU/ R FT ² SEC	ODOT BTU/ R FT ² SEC	DT/DT DEG. R /SEC	TW DEG. R
271	.30000	.00000	845.00	.3850-01	.3180-01	.3250-01	.9407-03	.7777-03	.7945-03	.5670	6.348	533.8	
271	.30000	.50000-01	846.00	.1071	.8820-01	.1053	.2619-02	.2158-02	.2574-02	1.548	17.23	545.4	
271	.30000	.10000+00	847.00	.8170-01	.6740-01	.6080-01	.1999-02	.1648-02	.1975-02	1.188	10.19	542.1	
271	.30000	.20000	848.00	.8030-01	.6670-01	.6060-01	.1977-02	.1632-02	.1972-02	1.180	8.503	533.3	
271	.30000	.40000	850.00	.5010-01	.4140-01	.5040-01	.1226-02	.1012-02	.1233-02	.7310	5.264	540.1	
271	.30000	.50000	851.00	.4100-01	.3380-01	.4150-01	.1002-02	.8274-03	.1015-02	.5980	4.454	539.5	
271	.30000	.60000	852.00	.3600-01	.2970-01	.3640-01	.8795-03	.7264-03	.8907-03	.5260	3.916	538.8	
271	.30000	.70000	853.00	.3110-01	.2570-01	.3150-01	.7605-03	.6281-03	.7709-03	.4560	3.285	537.3	
271	.30000	.80000	854.00	.3200-01	.2640-01	.3260-01	.7819-03	.6461-03	.7565-03	.4700	3.504	535.6	
271	.30000	.90000	855.00	.3010-01	.2490-01	.3120-01	.7351-03	.6083-03	.7635-03	.4450	3.272	531.1	
271	.30000	.95000	856.00	.2730-01	.2200-01	.2850-01	.6654-03	.5519-03	.6974-03	.4050	2.937	528.1	
271	.35000	.00000	857.00	.9340-01	.7700-01	.7870-01	.2284-02	.1683-02	.1924-02	1.355	11.63	542.7	
271	.40000	.00000	858.00	.2083	.1707	.1746	.5094-02	.4175-02	.4269-02	2.922	29.31	562.8	
271	.40000	.50000-01	859.00	.3474	.2848	.2344	.9455-02	.6965-02	.8177-02	4.881	34.76	561.9	
271	.40000	.10000+00	860.00	.1937	.1594	.1913	.4736-02	.3898-02	.4677-02	2.781	19.94	549.1	
271	.40000	.20000	861.00	.9020-01	.7440-01	.5030-01	.2205-02	.1819-02	.2219-02	1.310	9.734	542.5	
271	.40000	.30000	862.00	.6950-01	.5730-01	.7030-01	.1698-02	.1401-02	.1719-02	1.011	7.272	541.4	
271	.40000	.40000	863.00	.5550-01	.4580-01	.5620-01	.1356-02	.1119-02	.1374-02	.8990	6.230	539.9	
271	.40000	.50000	864.00	.4740-01	.3920-01	.4790-01	.1159-02	.9574-03	.1171-02	.6950	4.707	537.0	

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(1AW) BTU/R FT2SEC	ODOT BTU/ FT2SEC	DT/CT DEG. R /SEC	TH DEG. R
271	.75000	.40000	910.00	.7010-01	.5900-01	.7080-01	.1713-02	.1417-02	.1731-02	1.037	6.836	531.4
271	.75000	.60000	911.00	.7060-01	.5950-01	.7150-01	.1727-02	.1430-02	.1749-02	1.047	7.121	530.1
271	.75000	.80000	912.00	.8650-01	.7310-01	.9110-01	.2163-02	.1788-02	.2228-02	1.304	10.82	533.5
271	.75000	.90000	913.00	.7170-01	.5940-01	.7480-01	.1752-02	.1451-02	.1830-02	1.067	7.859	527.6
271	.75000	.95000	914.00	.5090-01	.4220-01	.5340-01	.1246-02	.1032-02	.1307-02	.7610	5.804	525.3
271	.80000	.00000	915.00	.3543	.2884	.2551	.8665-02	.7051-02	.7215-02	4.781	43.49	584.6
271	.80000	.20000	916.00	.1365	.1128	.1376	.3337-02	.2759-02	.3365-02	2.012	14.08	533.5
271	.80000	.40000	917.00	.8480-01	.7010-01	.8550-01	.2073-02	.1715-02	.2092-02	1.255	9.080	530.9
271	.80000	.60000	918.00	.7740-01	.6410-01	.8080-01	.1893-02	.1568-02	.1976-02	1.153	8.494	527.5
271	.85000	.00000	919.00	.4261	.3467	.3548	.1042-01	.8477-02	.8675-02	5.744	44.77	585.2
271	.85000	.20000	920.00	.1377	.1137	.1385	.3366-02	.2781-02	.3388-02	2.021	14.58	536.2
271	.85000	.40000	921.00	.9580-01	.7320-01	.9660-01	.2342-02	.1937-02	.2361-02	1.415	10.57	532.1
271	.90000	.00000	922.00	.2528	.2072	.2119	.6181-02	.5067-02	.5181-02	3.551	28.00	561.9
271	.90000	.10000+00	923.00	.1914	.1580	.1517	.4681-02	.3863-02	.4687-02	2.789	20.75	540.6
271	.90000	.20000	924.00	.1435	.1185	.1441	.3500-02	.2897-02	.3523-02	2.101	15.14	537.6
271	.90000	.30000	925.00	.1129	.9330-01	.1138	.2761-02	.2282-02	.2782-02	1.661	11.99	534.9
271	.90000	.50000	926.00	.9640-01	.7970-01	.9730-01	.2357-02	.1950-02	.2379-02	1.425	10.31	531.7
271	.90000	.60000	927.00	.8530-01	.7660-01	.9780-01	.2087-02	.1727-02	.2146-02	1.266	9.969	529.7
271	.90000	.80000	928.00	.6410-01	.5310-01	.5700-01	.1558-02	.1293-02	.1639-02	.9560	7.669	526.9
271	.95000	.00000	929.00	.1575	.1303	.1328	.3851-02	.3178-02	.3247-02	2.296	17.08	540.3
271	.95000	.50000-01	930.00	.1897	.1564	.1651	.4639-02	.3825-02	.4550-02	2.751	19.78	543.4
271	.95000	.10000+00	931.00	.1714	.1415	.1707	.4181-02	.3460-02	.4174-02	2.503	18.63	539.3
271	.95000	.20000	932.00	.1488	.1229	.1498	.3639-02	.3006-02	.3662-02	2.180	15.23	537.3
271	.95000	.30000	933.00	.1291	.1067	.1302	.3158-02	.2610-02	.3184-02	1.899	13.71	535.1
271	.95000	.50000	934.00	.8380-01	.6940-01	.8470-01	.2050-02	.1696-02	.2071-02	1.241	9.277	531.0
271	.95000	.70000	935.00	.8420-01	.7300-01	.8580-01	.2158-02	.1784-02	.2197-02	1.306	9.929	530.8
271	.95000	.80000	936.00	.8720-01	.7220-01	.9120-01	.2133-02	.1766-02	.2205-02	1.297	9.713	528.1
271	.95000	.90000	937.00	.5910-01	.4900-01	.6170-01	.1445-02	.1198-02	.1509-02	.8840	6.741	524.8

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RVIL19)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
288	7.940	2.031	19.56	.0000	180.0	428.7	.4600-01	1288.	94.60	2.035	3785.	.4088-04
289	7.940	2.036	19.98	.0000	180.0	429.0	.4600-01	1286.	94.50	2.036	3783.	.4096-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
288	.7619-07	.3498-01		0.0175
289	.7610-07	.3498-01		.2845-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF ("AW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
289	.30000	.00000	845.00	.3750-01	.3100-01	.3770-01	.1312-02	.1086-02	.1109-02	.8120	9.074	538.5
289	.30000	.50000-01	846.00	.1034	.8520-01	.1017	.3618-02	.2979-02	.3556-02	2.169	23.99	558.2
289	.30000	.10000+00	847.00	.9750-01	.8040-01	.9630-01	.3403-02	.2812-02	.3370-02	2.065	17.62	552.2
289	.30000	.20000	848.00	.8110-01	.6700-01	.8090-01	.2837-02	.2343-02	.2830-02	1.732	12.43	547.2
289	.30000	.40000	850.00	.4560-01	.3760-01	.4580-01	.1595-02	.1317-02	.1603-02	.9730	6.981	547.5
289	.30000	.50000	851.00	.3560-01	.2940-01	.3600-01	.1245-02	.1028-02	.1260-02	.7600	5.640	546.7
289	.30000	.60000	852.00	.3640-01	.3010-01	.3680-01	.1272-02	.1052-02	.1288-02	.7790	5.780	545.6
289	.30000	.70000	853.00	.3170-01	.2630-01	.3210-01	.1109-02	.9168-03	.1124-02	.6810	4.891	544.0
289	.30000	.80000	854.00	.3620-01	.2990-01	.3680-01	.1265-02	.1047-02	.1289-02	.7780	5.782	542.9
289	.30000	.90000	855.00	.4300-01	.3560-01	.4470-01	.1505-02	.1246-02	.1563-02	.9320	6.831	538.3
289	.30000	.95000	856.00	.3570-01	.2960-01	.3730-01	.1249-02	.1035-02	.1306-02	.7790	5.623	534.2
289	.35000	.00000	857.00	.9260-01	.7720-01	.7893-01	.3275-02	.2701-02	.2760-02	1.982	16.92	552.3
289	.40000	.00000	858.00	.2071	.1691	.1730	.7243-02	.5917-02	.6052-02	4.157	41.27	583.8
289	.40000	.50000-01	859.00	.3440	.2810	.3309	.1203-01	.9829-02	.1157-01	6.899	48.59	584.5
289	.40000	.10000+00	860.00	.1895	.1557	.1872	.6630-02	.5447-02	.6547-02	3.928	27.93	565.3
289	.40000	.20000	861.00	.9160-01	.7550-01	.9320-01	.3205-02	.2642-02	.3226-02	1.935	14.30	554.0
289	.40000	.30000	862.00	.6670-01	.5500-01	.6750-01	.2332-02	.1925-02	.2361-02	1.417	10.15	550.2
289	.40000	.40000	863.00	.4980-01	.4110-01	.5340-01	.1742-02	.1438-02	.1764-02	1.061	8.134	548.4
289	.40000	.50000	864.00	.4390-01	.3630-01	.4430-01	.1535-02	.1270-02	.1551-02	.9440	6.374	543.1

AEDC VKF V41B-57A (OH-49B) COLLECTION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING													(RVIL19)	
RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(8TO) BTU/ R F12SEC	H(1TO) BTU/ R F12SEC	H(1AW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DT/DT DEG. R /SEC	TH DEG. R		
289	40000	70000	865.00	4880-01	4030-01	4340-01	1707-02	1411-02	1728-02	1.047	7.069	544.3		
289	40000	75000	866.00	4260-01	3530-01	4330-01	1491-02	1233-02	1515-02	0.910	6.818	542.6		
289	40000	85000	867.00	4840-01	4000-01	4320-01	1632-02	1400-02	1744-02	1.042	7.874	542.2		
289	40000	90000	868.00	3800-01	3140-01	3970-01	1359-02	1100-02	1388-02	0.820	7.060	539.1		
289	40000	95000	869.00	3040-01	2520-01	3200-01	1054-02	8818-03	1118-02	0.620	5.385	535.8		
289	50000	00000	871.00	5393	4320	4428	1887-01	1511-01	1549-01	9.774	76.93	639.7		
289	50000	50000-01	872.00	2985	2441	2389	1044-01	8540-02	1011-01	6.029	45.48	580.4		
289	50000	10000+00	873.00	1623	1335	1516	5678-02	4672-02	5654-02	3.391	24.97	560.6		
289	50000	20000	874.00	1239	1022	1250	4335-02	3574-02	4373-02	2.619	18.73	553.7		
289	50000	30000	875.00	1072	8940-01	1084	3732-02	3093-02	3792-02	2.267	15.22	553.4		
289	50000	40000	876.00	9520-01	7850-01	5530-01	3353-02	2747-02	3268-02	2.021	14.47	550.9		
289	50000	60000	877.00	7170-01	5920-01	7260-01	2509-02	2072-02	2541-02	1.531	10.61	547.5		
289	50000	90000	878.00	5650-01	4670-01	5730-01	1975-02	1635-02	2003-02	1.219	9.549	540.4		
289	55000	00000	879.00	4968	3962	4062	1738-01	1386-01	1421-01	8.800	71.52	651.5		
289	60000	00000	880.00	4192	3352	3436	1466-01	1173-01	1202-01	7.531	66.53	644.2		
289	60000	25000-01	881.00	4752	3846	4469	1602-01	1346-01	1563-01	9.081	67.46	611.5		
289	60000	50000-01	882.00	2555	2109	2509	9044-02	7379-02	8777-02	5.155	48.86	587.7		
289	60000	75000-01	883.00	2592	2122	2566	9056-02	7424-02	8976-02	5.275	38.55	575.9		
289	60000	10000+00	884.00	1983	1631	1984	6939-02	5704-02	6540-02	4.124	29.35	563.4		
289	60000	20000	885.00	1254	1035	1267	4387-02	3619-02	4434-02	2.660	19.05	551.3		
289	60000	30000	886.00	8260-01	6820-01	8350-01	2839-02	2385-02	2920-02	1.760	11.85	548.6		
289	60000	40000	887.00	5870-01	4840-01	5320-01	2032-02	1695-02	2072-02	1.253	8.706	547.3		
289	60000	50000	888.00	5630-01	4650-01	5700-01	1968-02	1627-02	1993-02	1.205	8.380	545.8		
289	60000	60000	889.00	5500-01	4540-01	5920-01	1590-02	1590-02	1947-02	1.180	8.214	544.2		
289	60000	80000	891.00	5790-01	4790-01	5370-01	2036-02	1675-02	2088-02	1.244	9.243	543.6		
289	60000	85000	892.00	5970-01	4940-01	6170-01	2087-02	1727-02	2159-02	1.288	9.420	540.9		
289	60000	90000	893.00	4840-01	4010-01	5070-01	1694-02	1403-02	1773-02	1.051	7.964	537.4		
289	60000	95000	894.00	3360-01	2810-01	3550-01	1184-02	9814-03	1243-02	7.790	5.610	533.5		
289	65000	00000	895.00	3190	2576	2638	1116-01	9010-02	9227-02	6.017	49.69	618.6		
289	70000	00000	896.00	1795	1457	1492	6279-02	5099-02	5218-02	3.489	44.41	602.1		
289	70000	25000-01	897.00	2243	1838	2110	7647-02	6423-02	7381-02	4.577	41.85	574.4		
289	70000	50000-00	898.00	1506	1242	1503	5268-02	4345-02	5257-02	3.191	20.12	552.1		
289	70000	20000	899.00	1173	9680-01	1182	4104-02	4350-02	4135-02	2.496	15.40	549.7		
289	70000	30000	900.00	1216	1004	1231	4254-02	3511-02	4305-02	2.585	15.95	550.1		
289	70000	40000	901.00	1118	9230-01	1131	3912-02	3230-02	3958-02	2.385	15.15	548.0		
289	70000	60000	902.00	1097	9050-01	1111	3836-02	3167-02	3685-02	2.334	14.82	549.3		
289	70000	90000	903.00	9050-01	7490-01	5460-01	3166-02	2619-02	3309-02	1.949	14.02	542.1		
289	75000	00000	904.00	2296	1862	1924	6033-02	6584-02	6732-02	4.694	35.80	573.4		
289	75000	25000-01	905.00	3736	3030	3494	1307-01	1060-01	1222-01	7.215	55.67	605.7		
289	75000	50000-01	906.00	2641	2332	2779	9939-02	8159-02	9722-02	5.861	43.00	568.1		
289	75000	10000+00	907.00	1961	1615	1957	6861-02	5351-02	6847-02	4.122	28.51	556.9		
289	75000	20000	908.00	1192	9850-01	1202	4711-02	3477-02	4274-02	2.555	17.78	545.1		
289	75000	30000	909.00	1734	1430	1752	6067-02	5004-02	6129-02	3.672	23.28	556.5		

AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(1AW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMDT DEG. R /SEC	TW DEG. R
289	.75000	.40000	910.00	.2252	.1852	.2276	.7877-02	.6478-02	.7962-02	4.694	30.48	561.9
289	.75000	.60000	911.00	.1934	.1594	.958	.6764-02	.5575-02	.6851-02	4.079	27.39	554.8
289	.75000	.80000	912.00	.8850-01	.7310-01	.9120-01	.3097-02	.2558-02	.3191-02	1.893	15.60	546.5
289	.75000	.90000	913.00	.6970-01	.5780-01	.280-01	.2435-02	.2020-02	.2547-02	1.514	11.10	537.1
289	.75000	.95000	914.00	.4960-01	.4110-01	.5200-01	.1734-02	.1372-02	.1819-02	1.081	8.202	534.5
289	.80000	.60000	915.00	.3505	.2831	.2899	.1226-01	.9903-02	.1014-01	6.825	59.30	617.4
289	.80000	.20000	916.00	.1250	.1033	.260	.4372-02	.3614-02	.4409-02	2.683	18.68	544.0
289	.80000	.40000	917.00	.1101	.9110-01	.112	.3853-02	.3186-02	.3890-02	2.363	17.03	543.1
289	.80000	.90000	918.00	.1397	.1154	.1459	.4886-02	.4036-02	.5104-02	2.984	21.76	547.0
289	.85000	.00000	919.00	.4157	.3356	.3477	.1454-01	.1174-01	.1202-01	7.843	60.15	618.4
289	.85000	.20000	920.00	.1297	.1072	.305	.4537-02	.3748-02	.4566-02	2.775	19.92	546.2
289	.85000	.40000	921.00	.9440-01	.7800-01	.9520-01	.3303-02	.2730-02	.3331-02	2.026	15.04	544.4
289	.90000	.00000	922.00	.2542	.2077	.2124	.8894-02	.7264-02	.7430-02	5.100	39.76	584.4
289	.90000	.10000+00	923.00	.1902	.1568	.904	.6654-02	.5486-02	.6662-02	4.018	29.69	553.9
289	.90000	.20000	924.00	.1375	.1135	.381	.4810-02	.3971-02	.4831-02	2.929	21.00	548.8
289	.90000	.30000	925.00	.1216	.1005	.225	.4254-02	.3516-02	.4285-02	2.609	18.75	544.3
289	.90000	.50000	926.00	.9240-01	.7640-01	.9330-01	.3233-02	.2673-02	.3264-02	1.986	14.27	543.5
289	.90000	.80000	927.00	.9070-01	.7510-01	.9330-01	.3175-02	.2625-02	.3265-02	1.953	15.27	542.7
289	.90000	.90000	928.00	.6900-01	.5710-01	.7210-01	.2413-02	.1999-02	.2523-02	1.497	11.95	537.4
289	.95000	.00000	929.00	.1521	.1254	.282	.5322-02	.4387-02	.4484-02	3.214	23.75	553.8
289	.95000	.50000-01	930.00	.1888	.1554	.851	.6504-02	.5437-02	.6476-02	3.955	28.21	558.9
289	.95000	.10000+00	931.00	.1694	.1396	.687	.5525-02	.4885-02	.5900-02	3.581	26.47	553.2
289	.95000	.20000	932.00	.1463	.1208	.472	.5117-02	.4225-02	.5150-02	3.120	21.68	548.0
289	.95000	.30000	933.00	.1251	.1034	.252	.4377-02	.3617-02	.4415-02	2.678	19.23	545.9
289	.95000	.50000	934.00	.8550-01	.7070-01	.8640-01	.2990-02	.2473-02	.3021-02	1.841	13.69	541.8
289	.95000	.70000	935.00	.9870-01	.8150-01	.005	.3452-02	.2853-02	.3516-02	2.114	15.96	545.3
289	.95000	.80000	936.00	.9100-01	.7530-01	.9410-01	.3182-02	.2534-02	.3290-02	1.966	14.63	539.9
289	.95000	.90000	937.00	.5900-01	.4890-01	.6160-01	.2063-02	.1710-02	.2155-02	1.287	9.772	533.8

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

OH-49B (AEDC V41B-57A) ORRITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	I PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
316	7.990	2.902	19.55	.0000	180.0	674.9	.7000-01	1358.	98.70	3.115	3889.	.5927-04
317	7.990	2.975	19.97	.0000	180.0	674.2	.7000-01	1335.	97.00	3.111	3855.	.6025-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
316	.7942-07	.4367-01	0.0175
317	.7806-07	.4352-01	.2378-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	-H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
317	.30000	.00000	845.00	.3790-01	.3140-01	.3510-01	.1650-02	.1368-02	.1397-02	1.067	11.83	554.6
317	.30000	.50000-01	846.00	.1033	.8500-01	.1015	.4495-02	.3699-02	.4417-02	2.789	30.50	580.8
317	.30000	.10000+00	847.00	.9390-01	.7750-01	.9280-01	.4086-02	.3372-02	.4039-02	2.574	21.76	571.5
317	.30000	.20000	848.00	.8120-01	.6710-01	.9100-01	.3535-02	.2920-02	.3526-02	2.243	15.94	566.8
317	.30000	.40000	850.00	.4350-01	.3590-01	.4370-01	.1893-02	.1564-02	.1903-02	1.202	8.540	566.4
317	.30000	.50000	851.00	.3930-01	.3240-01	.3970-01	.1708-02	.1411-02	.1730-02	1.082	7.941	567.9
317	.30000	.60000	852.00	.4300-01	.3560-01	.4360-01	.1873-02	.1548-02	.1896-02	1.189	8.734	566.4
317	.30000	.70000	853.00	.4330-01	.3580-01	.4390-01	.1884-02	.1557-02	.1910-02	1.198	8.521	565.4
317	.30000	.80000	854.00	.5090-01	.4210-01	.5190-01	.2217-02	.1833-02	.2259-02	1.411	10.37	564.8
317	.30000	.90000	855.00	.5730-01	.4740-01	.5950-01	.2493-02	.2065-02	.2589-02	1.604	11.43	558.2
317	.30000	.00000	856.00	.4590-01	.3810-01	.4800-01	.1939-02	.1658-02	.2091-02	1.297	9.278	552.8
317	.30000	.00000	857.00	.9680-01	.7930-01	.8170-01	.4214-02	.3478-02	.3554-02	2.659	22.48	570.5
317	.40000	.00000	858.00	.2079	.1694	.1733	.9049-02	.7373-02	.7543-02	5.314	51.97	614.2
317	.40000	.50000-01	859.00	.3477	.2631	.3342	.1513-01	.1232-01	.1454-01	8.854	61.39	616.2
317	.40000	.10000+00	860.00	.1897	.1557	.1873	.6257-02	.6776-02	.8153-02	5.042	35.40	590.7
317	.40000	.20000	861.00	.905J-01	.7490-01	.9150-01	.3955-02	.3261-02	.3980-02	2.481	18.15	573.9
317	.40000	.30000	862.00	.6470-01	.5340-01	.6550-01	.2817-02	.2324-02	.2852-02	1.775	12.58	571.4
317	.40000	.40000	863.00	.4990-01	.4120-01	.5050-01	.2170-02	.1792-02	.2198-02	1.373	10.42	568.5
317	.40000	.50000	864.00	.4330-01	.3580-01	.4380-01	.1886-02	.1560-02	.1906-02	1.203	8.045	563.5

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1119)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEU. R /SEC	TW DEG. R
317	.75000	.40000	910.00	.2774	.2275	.2805	.1207-01	.9900-02	.1221-01	7.341	46.93	593.5
317	.75000	.60000	911.00	.2759	.2264	.2795	.1201-01	.9854-02	.1216-01	7.337	48.40	590.3
317	.75000	.80000	912.00	.1751	.1441	.1805	.7621-02	.6272-02	.7857-02	4.732	38.34	580.5
317	.75000	.90000	913.00	.1384	.1144	.1447	.6024-02	.4977-02	.6296-02	3.821	27.58	567.2
317	.75000	.95000	914.00	.1054	.8720-01	.1107	.4589-02	.3793-02	.4818-02	2.921	21.83	564.9
317	.80000	.00000	915.00	.3577	.2872	.2943	.1557-01	.1250-01	.1281-01	8.473	74.40	657.1
317	.80000	.20000	916.00	.1269	.1048	.1280	.5525-02	.4562-02	.5572-02	3.496	24.04	568.6
317	.80000	.40000	917.00	.1606	.1323	.1621	.6987-02	.5758-02	.7055-02	4.367	30.88	576.5
317	.80000	.60000	918.00	.1681	.1385	.1757	.7315-02	.6030-02	.7645-02	4.581	32.95	575.1
317	.85000	.00000	919.00	.4251	.3413	.3497	.1850-01	.1485-01	.1522-01	10.06	75.66	657.8
317	.85000	.20000	920.00	.1325	.1094	.1334	.5767-02	.4762-02	.5804-02	3.645	25.87	569.3
317	.85000	.40000	921.00	.9580-01	.7920-01	.9660-01	.4169-02	.3446-02	.4204-02	2.654	19.50	564.8
317	.90000	.00000	922.00	.2550	.2078	.2126	.1110-01	.9043-02	.3252-02	6.518	50.09	614.2
317	.90000	.20000	923.00	.1963	.1617	.1966	.6048-02	.4992-02	.6075-02	5.331	38.93	577.4
317	.90000	.40000	924.00	.1390	.1147	.1396	.8543-02	.7038-02	.8554-02	3.815	27.05	570.7
317	.90000	.60000	925.00	.1171	.9680-01	.1180	.5095-02	.4211-02	.5134-02	3.235	22.98	566.6
317	.90000	.80000	926.00	.9640-01	.7970-01	.9730-01	.4196-02	.3470-02	.4236-02	2.677	19.05	563.3
317	.90000	.00000	927.00	.1116	.9220-01	.1149	.4858-02	.4012-02	.4998-02	3.076	23.75	568.3
317	.90000	.20000	928.00	.1055	.8710-01	.1104	.4591-02	.3793-02	.4803-02	2.912	22.91	567.0
317	.95000	.00000	929.00	.1533	.1263	.1291	.6670-02	.5497-02	.6618-02	4.172	30.49	575.9
317	.95000	.20000	930.00	.1887	.1552	.1850	.8211-02	.6753-02	.8052-02	5.077	35.78	583.2
317	.95000	.40000	931.00	.1712	.1411	.1705	.7452-02	.6141-02	.7422-02	4.660	34.05	576.1
317	.95000	.60000	932.00	.1510	.1246	.1520	.6571-02	.5425-02	.6513-02	4.151	28.53	569.6
317	.95000	.80000	933.00	.1252	.1034	.1263	.5449-02	.4501-02	.5495-02	3.456	24.55	567.1
317	.95000	.00000	934.00	.8440-01	.6980-01	.8522-01	.3674-02	.3040-02	.3712-02	2.351	17.30	561.6
317	.95000	.20000	935.00	.1166	.920-01	.1188	.5073-02	.4185-02	.5169-02	3.194	23.79	571.8
317	.95000	.40000	936.00	.1099	.9080-01	.1136	.4781-02	.3951-02	.4945-02	3.040	22.34	565.4
317	.95000	.60000	937.00	.7420-01	.6150-01	.7760-01	.3230-02	.2675-02	.3375-02	2.075	15.55	559.1

DATE 25 AUG 76 AEDC VKF V41B-57A (OH-498) COLLATION DECK
OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = 5.000 SPD8RK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 5 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
310	8.000	3.745	19.97	.0000	180.0	853.9	.8800-01	13	97.40	3.946	3889.	.7589-04
311	8.000	3.752	19.92	.0000	180.0	863.9	.8800-01	134	97.30	3.950	3867.	.7602-04

RUN NUMBER	MJ	LB-SEC /FT ²	ST FR R =
310	.7839-07	.4907-01	0.0175
311	.7835-07	.4909-01	.2098-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(TU) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
311	.30000	.00000	845.00	.3720-01	.3080-01	.3150-01	.1824-02	.1512-02	.1544-02	1.186	13.12	558.4
311	.30000	.50000-01	846.00	.1013	.8320-01	.9350-01	.4972-02	.4087-02	.4887-02	3.083	33.58	588.7
311	.30000	.10000+00	847.00	.8870-01	.7320-01	.8770-01	.4357-02	.3592-02	.4307-02	2.748	23.15	577.9
311	.30000	.20000	848.00	.6220-01	.6790-01	.8200-01	.4035-02	.3333-02	.4026-02	2.574	18.25	570.8
311	.30000	.40000	850.00	.4230-01	.3490-01	.4250-01	.2077-02	.1715-02	.2088-02	1.321	9.356	572.7
311	.30000	.50000	851.00	.4050-01	.3350-01	.4110-01	.1990-02	.1642-02	.2016-02	1.262	9.234	574.3
311	.30000	.60000	852.00	.5150-01	.4250-01	.5220-01	.2531-02	.2088-02	.2562-02	1.604	11.73	574.7
311	.30000	.70000	853.00	.5500-01	.4540-01	.5380-01	.2701-02	.2229-02	.2739-02	1.712	12.12	575.1
311	.30000	.80000	854.00	.6860-01	.5660-01	.6300-01	.3368-02	.2779-02	.3432-02	2.134	15.60	564.2
311	.30000	.90000	855.00	.7350-01	.6080-01	.7340-01	.3608-02	.2986-02	.3748-02	2.326	16.82	558.3
311	.35000	.95000	856.00	.5670-01	.4700-01	.5330-01	.2783-02	.2307-02	.2912-02	1.810	12.91	576.4
311	.40000	.00000	857.00	.9870-01	.8140-01	.8320-01	.4846-02	.3997-02	.4083-02	3.064	25.83	625.6
311	.40000	.00000	858.00	.2099	.1706	.1746	.1030-01	.8374-02	.8569-02	6.008	58.43	628.7
311	.40000	.50000-01	859.00	.3442	.2795	.3307	.1690-01	.1372-01	.1624-01	9.802	67.55	600.4
311	.40000	.10000+00	860.00	.1923	.1575	.1359	.9440-02	.7733-02	.9322-02	5.743	40.13	581.7
311	.40000	.20000	861.00	.8930-01	.7360-01	.8390-01	.4385-02	.3611-02	.4414-02	2.749	20.03	578.8
311	.40000	.30000	862.00	.6400-01	.5280-01	.6480-01	.3142-02	.2590-02	.3182-02	1.979	13.98	575.8
311	.40000	.40000	863.00	.4750-01	.3910-01	.4910-01	.2330-02	.1922-02	.2360-02	1.474	11.15	570.1
311	.40000	.60000	864.00	.4540-01	.3750-01	.4590-01	.2229-02	.1841-02	.2252-02	1.423	9.484	

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L19)

PUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H1(9TO) BTU/ R FT2SEC	H1(TO) BTU/ R FT2SEC	H1(TAM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TM DEG. R
311	.40000	.70000	865.00	.5070-01	.4190-01	.5140-01	.2490-02	.2057-02	.2521-02	1.589	10.58	570.8
311	.40000	.75000	866.00	.4400-01	.3640-01	.4470-01	.2159-02	.1785-02	.2194-02	1.382	10.14	568.7
311	.40000	.80000	867.00	.5260-01	.4350-01	.5420-01	.2582-02	.2135-02	.2651-02	1.655	12.35	567.7
311	.40000	.85000	868.00	.4010-01	.3320-01	.4190-01	.1970-02	.1631-02	.2058-02	1.272	10.79	563.1
311	.40000	.90000	869.00	.3210-01	.2650-01	.3370-01	.1575-02	.1306-02	.1655-02	1.025	8.244	558.2
311	.50000	.00000	871.00	.5314	.4184	.4255	.2609-01	.2034-01	.2108-01	12.97	98.64	711.6
311	.50000	.50000-01	872.00	.3053	.2479	.2932	.1499-01	.1217-01	.1449-01	8.697	64.08	628.4
311	.50000	.10000+00	873.00	.1729	.1417	.1722	.8405-02	.6958-02	.8451-02	5.191	37.54	597.0
311	.50000	.20000	874.00	.1538	.1264	.1552	.7550-02	.6204-02	.7618-02	4.675	32.84	589.5
311	.50000	.30000	875.00	.1356	.1115	.1371	.6637-02	.5475-02	.6731-02	4.142	29.14	586.5
311	.50000	.40000	876.00	.1141	.9390-01	.1124	.5559-02	.4611-02	.5666-02	3.509	24.75	581.9
311	.50000	.50000	877.00	.1149	.9460-01	.1164	.5841-02	.4646-02	.5715-02	3.537	24.17	581.6
311	.50000	.60000	878.00	.9460-01	.7820-01	.5600-01	.4646-02	.3837-02	.4713-02	2.962	22.84	571.2
311	.55000	.00000	879.00	.4652	.3647	.3745	.2284-01	.1790-01	.1838-01	11.12	87.47	721.6
311	.60000	.00000	880.00	.4108	.3225	.3312	.2017-01	.1583-01	.1626-01	9.890	84.37	718.3
311	.60000	.25000-01	881.00	.4727	.3774	.4427	.2320-01	.1853-01	.2173-01	12.35	88.94	676.4
311	.60000	.50000-01	882.00	.2668	.2157	.2557	.1310-01	.1059-01	.1270-01	7.422	68.50	642.1
311	.60000	.75000-01	883.00	.2710	.2204	.2683	.1331-01	.1082-01	.1317-01	7.777	55.50	624.2
311	.60000	.10000+00	884.00	.2205	.1804	.2206	.1083-01	.0855-02	.1083-01	6.529	45.50	605.7
311	.60000	.20000	885.00	.1752	.1438	.1772	.8601-02	.7261-02	.8698-02	5.294	37.12	593.3
311	.60000	.30000	886.00	.1539	.1265	.1556	.7556-02	.6216-02	.7640-02	4.708	31.13	585.6
311	.60000	.40000	887.00	.3100	.2528	.3132	.1522-01	.1241-01	.1538-01	9.029	60.67	615.3
311	.60000	.50000	888.00	.3153	.2575	.3194	.1548-01	.1264-01	.1568-01	9.260	62.38	610.3
311	.60000	.60000	889.00	.2782	.2277	.2819	.1366-01	.1118-01	.1384-01	8.273	55.93	602.9
311	.60000	.80000	891.00	.2166	.1776	.2235	.1063-01	.0720-02	.1097-01	6.516	47.15	595.8
311	.60000	.85000	892.00	.2257	.1854	.2339	.1108-01	.0910-02	.1148-01	6.849	48.88	590.5
311	.60000	.90000	893.00	.1769	.1457	.1854	.8684-02	.7152-02	.9102-02	5.445	40.36	581.7
311	.65000	.00000	894.00	.1301	.1074	.1368	.6387-02	.5274-02	.6716-02	4.066	30.28	572.1
311	.65000	.00000	895.00	.3084	.2461	.2523	.1514-01	.1208-01	.1238-01	8.028	64.41	678.5
311	.70000	.00000	896.00	.1324	.1550	.1587	.9443-02	.7607-02	.7790-02	5.253	65.26	652.5
311	.70000	.25000-01	897.00	.2525	.2059	.2372	.1239-01	.1011-01	.1164-01	7.356	65.92	615.2
311	.70000	.50000+00	898.00	.2885	.2358	.2680	.1415-01	.1157-01	.1414-01	8.500	57.30	608.7
311	.70000	.75000	899.00	.3697	.3014	.3728	.1815-01	.1475-01	.1830-01	10.75	64.14	616.7
311	.70000	.00000	900.00	.3413	.2787	.3457	.1676-01	.1368-01	.1697-01	10.01	59.94	611.1
311	.70000	.30000	901.00	.3225	.2634	.2666	.1593-01	.1293-01	.1603-01	9.474	58.35	610.2
311	.70000	.60000	902.00	.2849	.2333	.2628	.1398-01	.1145-01	.1418-01	8.500	52.59	600.9
311	.70000	.90000	903.00	.1744	.1436	.1825	.8560-02	.7049-02	.8959-02	5.357	37.75	583.0
311	.75000	.00000	904.00	.3107	.2518	.2577	.1525-01	.1236-01	.1265-01	8.745	66.51	635.4
311	.75000	.25000-01	905.00	.3892	.3132	.2632	.1911-01	.1538-01	.1783-01	10.58	79.69	655.1
311	.75000	.50000-01	906.00	.2899	.2372	.2632	.1423-01	.1165-01	.1392-01	8.616	62.12	603.2
311	.75000	.10000+00	907.00	.2134	.1753	.2130	.1047-01	.0805-02	.1045-01	6.478	44.07	590.2
311	.75000	.20000	908.00	.2084	.1711	.2102	.1023-01	.0398-02	.1032-01	6.301	42.81	592.7
311	.75000	.30000	909.00	.2781	.2280	.2911	.1365-01	.1119-01	.1380-01	8.344	51.72	597.5

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AEDC VXF V41B-57A (OH-498) COLLATION DECK

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(RVIL19)

RUN NUMBER	2Y/8	X/C	T/C NO	W/HREF R=0.9	W/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAN) BTU/ R FT2SEC	QOOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
311	.75000	.40000	910.00	.2925	.2392	.2958	.1436-01	.1174-01	.1452-01	8.665	55.07	605.2
311	.75000	.60000	911.00	.2896	.2373	.2936	.1422-01	.1165-01	.1441-01	8.651	56.79	600.3
311	.75000	.80000	912.00	.2291	.1877	.2364	.1124-01	.9214-02	.1160-01	8.850	54.98	599.5
311	.75000	.90000	913.00	.1773	.1461	.1854	.8704-02	.7173-02	.9103-02	5.477	39.31	579.4
311	.75000	.95000	914.00	.1289	.1063	.1354	.6326-02	.5220-02	.6647-02	4.007	29.79	575.3
311	.80000	.00000	915.00	.3566	.2852	.2923	.1751-01	.1400-01	.1435-01	9.394	81.90	672.1
311	.80000	.20000	916.00	.1335	.1101	.1347	.6553-02	.5406-02	.6611-02	4.148	28.42	575.8
311	.80000	.40000	917.00	.2179	.1786	.2201	.1070-01	.8766-02	.1081-01	6.524	45.62	598.8
311	.80000	.60000	918.00	.1746	.1438	.1826	.8571-02	.7057-02	.8962-02	5.365	38.44	582.7
311	.85000	.80000	919.00	.4256	.3403	.4488	.2089-01	.1671-01	.1712-01	11.19	83.62	673.0
311	.85000	.20000	920.00	.1272	.1049	.1280	.6243-02	.5150-02	.6285-02	3.950	27.93	576.1
311	.85000	.40000	921.00	.1060	.8750-01	.1269	.5502-02	.4296-02	.5218-02	3.311	24.24	572.2
311	.90000	.00000	922.00	.2534	.2060	.2108	.1244-01	.1011-01	.1035-01	7.260	55.49	625.2
311	.90000	.10000+00	923.00	.1886	.1552	.1888	.9256-02	.7618-02	.9269-02	5.782	42.08	584.1
311	.90000	.20000	924.00	.1413	.1165	.1419	.6934-02	.5718-02	.6966-02	4.378	30.94	577.4
311	.90000	.30000	925.00	.1217	.1005	.1226	.5975-02	.4932-02	.6021-02	3.798	26.90	573.1
311	.90000	.50000	926.00	.9440-01	.7800-01	.9540-01	.4636-02	.3830-02	.4682-02	2.960	20.99	570.4
311	.90000	.80000	927.00	.1731	.1423	.1782	.8496-02	.6996-02	.8748-02	5.281	40.40	587.1
311	.90000	.00000	928.00	.1396	.1150	.1462	.6895-02	.5647-02	.7178-02	4.307	33.65	580.4
311	.90000	.80000	929.00	.1537	.1265	.1293	.7544-02	.6212-02	.6348-02	4.725	34.42	582.4
311	.95000	.00000	930.00	.1918	.1576	.1881	.9416-02	.7736-02	.9234-02	5.823	40.89	590.3
311	.95000	.50000-01	931.00	.1717	.1414	.1710	.8429-02	.6940-02	.8396-02	5.277	38.44	582.6
311	.95000	.10000+00	932.00	.1496	.1235	.1506	.7346-02	.6060-02	.7395-02	4.650	31.86	575.8
311	.95000	.30000	933.00	.1259	.1039	.1270	.6179-02	.5101-02	.6233-02	3.925	27.79	573.5
311	.95000	.50000	934.00	.8420-01	.6960-01	.9510-01	.4132-02	.3417-02	.4176-02	2.651	19.46	567.2
311	.95000	.70000	935.00	.1372	.1129	.1358	.6733-02	.5543-02	.6863-02	4.213	31.20	582.9
311	.95000	.80000	936.00	.1513	.1247	.1566	.7429-02	.6123-02	.7690-02	4.577	34.13	579.1
311	.95000	.90000	937.00	.1156	.9550-01	.1209	.5675-02	.4687-02	.5934-02	3.616	26.94	571.5

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL20)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 5.000 SPDRBK .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
266	7.900	.5443	30.04	.0000	180.0	110.5	.1200-01	1266.	93.90	.5370	3752.	.1097-04
267	7.900	.5372	30.02	.0000	180.0	109.2	.1200-01	1268.	94.00	.5300	3753.	.1083-04

RUN NUMBER	MU	LB-SEC /FT ²	ST FR R =
266	.7562-07		0.0175
267	.7569-07		.5488-01
			.5524-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H/HREF BTU/ R FT ² SEC	H/HREF BTU/ R FT ² SEC	H/HREF BTU/ R FT ² SEC	H/HREF BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTWOT DEG. R /SEC	TW DEG. R
267	.30000	.00000	845.00	.4340-01	.3590-01	.3760-01	.7727-03	.6394-03	.6701-03	.4700	5.259	533.2	
267	.30000	.50000-01	846.00	.1297	.1069	.1220	.2310-02	.1904-02	.2172-02	1.373	15.28	546.3	
267	.30000	.10000+00	847.00	.1201	.9910-01	.1136	.2133-02	.1765-02	.2023-02	1.280	10.98	542.3	
267	.30000	.20000	848.00	.1040	.8580-01	.9930-01	.1851-02	.1528-02	.1768-02	1.110	7.984	541.5	
267	.30000	.40000	850.00	.0900-01	.5590-01	.6640-01	.1229-02	.1014-02	.1183-02	.7350	5.288	542.5	
267	.30000	.50000	851.00	.5420-01	.4470-01	.5260-01	.9650-03	.7966-03	.9361-03	.5280	4.300	541.5	
267	.30000	.60000	852.00	.4860-01	.4020-01	.4720-01	.8659-03	.7150-03	.8397-03	.5200	3.868	540.5	
267	.30000	.70000	853.00	.4260-01	.3520-01	.4140-01	.7593-03	.6273-03	.7375-03	.4570	3.297	538.3	
267	.30000	.80000	854.00	.4460-01	.3690-01	.4750-01	.7942-03	.6565-03	.7756-03	.4800	3.579	536.4	
267	.30000	.90000	855.00	.3940-01	.3260-01	.3940-01	.7019-03	.5814-03	.7010-03	.4250	3.157	529.5	
267	.30000	.00000	856.00	.3860-01	.3200-01	.3900-01	.6880-03	.5704-03	.6935-03	.4230	3.066	526.4	
267	.35000	.00000	857.00	.9590-01	.8000-01	.8390-01	.1725-02	.1424-02	.1493-02	1.034	8.876	541.2	
267	.40000	.00000	858.00	.1838	.1512	.1587	.3273-02	.2693-02	.2826-02	1.925	19.40	552.8	
267	.40000	.50000-01	859.00	.3512	.2987	.3236	.6254-02	.5140-02	.5762-02	2.354	26.14	555.7	
267	.40000	.10000+00	860.00	.2232	.1838	.2100	.3974-02	.3274-02	.3754-02	2.354	16.88	548.4	
267	.40000	.20000	861.00	.1244	.1026	.1199	.2215-02	.1827-02	.2134-02	1.322	9.818	543.9	
267	.40000	.30000	862.00	.1000+00	.8250-01	.9690-01	.1780-02	.1468-02	.1726-02	1.064	7.648	543.2	
267	.40000	.40000	863.00	.6210-01	.6780-01	.7970-01	.1462-02	.1207-02	.1419-02	.8770	6.748	541.1	
267	.40000	.50000	864.00	.9690-01	.8010-01	.9380-01	.1725-02	.1426-02	.1670-02	1.042	7.063	536.6	

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

PUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAW)	H(9TO) BTU/ R FT/SEC	H(10) BTU/ R FT/SEC	H(11W) BTU/ R FT/SEC	QDOT BTU/ FT/SEC	DTMOT DEG. R /SEC	TH DEG. R
267	40000	70000	865.00	7940-01	6550-01	7700-01	1414-02	1168-02	1371-02	8540	5.787	536.7
267	40000	75000	866.00	6550-01	5410-01	6380-01	1166-02	9541-03	1135-02	8540	5.268	535.0
267	40000	85000	867.00	7650-01	6330-01	7570-01	1362-02	1127-02	1348-02	8270	6.280	533.5
267	40000	90000	868.00	6200-01	5130-01	6240-01	1104-02	9139-03	1111-02	6730	5.806	531.0
267	40000	95000	869.00	5610-01	4650-01	5690-01	9995-03	8281-03	1013-02	6120	4.998	528.4
267	50000	00000	871.00	5523	4508	4740	9834-02	8027-02	8440-02	5536	44.91	577.9
267	50000	50000-01	872.00	3521	2896	3263	6270-02	5156-02	5810-02	3.678	28.11	554.2
267	50000	10000-00	873.00	2023	1669	1928	3603-02	2972-02	3433-02	2.152	15.99	539.3
267	50000	20000	874.00	1372	1133	1325	2443-02	2018-02	2350-02	1.469	10.59	538.2
267	50000	30000	875.00	1105	9130-01	1.69	1957-02	1625-02	1904-02	1.185	8.543	538.3
267	50000	40000	876.00	9170-01	7580-01	8890-01	1634-02	1350-02	1583-02	9840	7.094	535.4
267	50000	50000	877.00	7060-01	5840-01	6350-01	1257-02	1039-02	1220-02	7610	5.321	528.8
267	50000	60000	878.00	5950-01	4930-01	5780-01	1059-02	8771-03	1030-02	6480	5.104	614.6
267	55000	00000	879.00	7273	5361	6181	1295-01	1044-01	1101-01	6.816	56.39	583.7
267	60000	00000	880.00	4632	3773	3969	8248-02	6719-02	7069-02	4.595	41.81	568.0
267	60000	25000-01	881.00	5015	4106	4530	8930-02	7312-02	8066-02	5.115	38.83	556.0
267	60000	50000-01	882.00	2789	2292	2591	4966-02	4081-02	4614-02	2.904	27.96	549.8
267	60000	75000-01	883.00	2871	2364	2720	5113-02	4210-02	4843-02	3.022	22.37	541.5
267	60000	10000-00	884.00	2178	1798	2085	3878-02	3201-02	3712-02	2.324	16.72	536.3
267	60000	20000	885.00	1437	1188	1392	2559-02	2116-02	2478-02	1.547	11.16	537.0
267	60000	30000	886.00	1385	1145	1341	2467-02	2039-02	2388-02	1.491	10.11	533.7
267	60000	40000	887.00	1201	9930-01	1162	2139-02	1769-02	2069-02	1.252	9.024	534.8
267	60000	50000	888.00	1074	8880-01	1042	1913-02	1582-02	1855-02	1.159	8.108	533.7
267	60000	60000	889.00	9220-01	7630-01	8950-01	1643-02	1359-02	1594-02	9970	6.979	532.5
267	60000	80000	891.00	8320-01	6890-01	8240-01	1482-02	1227-02	1467-02	9020	6.736	530.6
267	60000	90000	892.00	8390-01	7440-01	8930-01	1600-02	1325-02	1591-02	9760	7.180	527.6
267	60000	95000	893.00	7530-01	6290-01	7650-01	1351-02	1120-02	1352-02	8290	6.311	524.9
267	60000	95300	894.00	5830-01	4840-01	5910-01	1039-02	8613-03	1052-02	6400	4.878	520.4
267	60000	00000	895.00	3340	2733	2872	5948-02	4867-02	5114-02	3.393	28.69	556.0
267	70000	00000	896.00	1646	1352	1420	2930-02	2408-02	2528-02	1.714	22.32	547.4
267	70000	25000-01	897.00	2379	1930	2149	4236-02	3490-02	3827-02	2.513	23.29	539.6
267	70000	50000-00	898.00	2231	1843	2132	3973-02	3281-02	3796-02	2.389	16.67	535.6
267	70000	75000	899.00	1824	1508	1761	2249-02	2686-02	3135-02	1.966	12.22	532.1
267	70000	90000	900.00	1432	1185	1388	2550-02	2110-02	2472-02	1.551	9.651	532.1
267	70000	90100	901.00	1250	1035	1212	2226-02	1843-02	2159-02	1.355	8.679	526.8
267	70000	90200	902.00	1085	8980-01	1053	1933-02	1600-02	1976-02	1.176	7.534	538.7
267	70000	90300	903.00	8470-01	7020-01	8520-01	1508-02	1250-02	1517-02	9260	6.713	538.7
267	70000	90400	904.00	1992	1646	1726	3548-02	2931-02	3073-02	2.137	17.05	559.7
267	75000	00000	905.00	3151	2591	3212	6357-02	5218-02	5720-02	3.694	29.16	544.5
267	75000	50000-01	906.00	3151	2598	2951	5611-02	4627-02	5254-02	3.346	24.84	539.6
267	75000	10000-00	907.00	2421	1939	2313	4310-02	3560-02	4118-02	2.591	18.08	533.1
267	75000	20000	908.00	1409	1165	1360	2508-02	2075-02	2423-02	1.524	10.67	530.5
267	75000	30000	909.00	1324	1105	1291	2375-02	1967-02	2300-02	1.450	9.292	

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V418-57A (OH-49B) COLLATION DECK

(RV1L20)

OH-49B (AEDC V418-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(OTO) BTU/ R FT2SEC	H(TOI) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	T4 DEG. R
267	.75000	.40000	910.00	.1213	.1004	.1175	.2160-02	.1788-02	.2092-02	1.317	8.682	531.3
267	.75000	.60000	911.00	.1051	.8700-01	.1020	.1871-02	.1550-02	.1816-02	1.145	7.788	528.9
267	.75000	.80000	912.00	.1014	.8400-01	.1003	.1605-02	.1495-02	.1786-02	1.103	7.168	529.8
267	.75000	.90000	913.00	.8720-01	.7230-01	.8770-01	.1553-02	.1288-02	.1561-02	.9560	7.052	525.0
267	.75000	.95000	914.00	.6310-01	.5240-01	.6380-01	.1124-02	.9322-03	.1137-02	.6940	5.295	523.3
267	.80000	.00000	915.00	.3208	.2630	.2763	.5712-02	.4684-02	.4920-02	3.300	30.34	563.1
267	.80000	.20000	916.00	.1603	.1327	.1549	.2854-02	.2363-02	.2758-02	1.738	12.18	531.8
267	.80000	.40000	917.00	.1116	.9240-01	.1080	.1987-02	.1546-02	.1923-02	1.213	8.781	530.2
267	.80000	.60000	918.00	.9570-01	.7940-01	.9620-01	.1705-02	.1413-02	.1713-02	1.048	7.728	525.8
267	.85000	.00000	919.00	.3816	.3130	.3287	.6756-02	.5573-02	.5854-02	3.928	30.95	562.9
267	.85000	.20000	920.00	.1481	.1226	.1428	.2637-02	.2183-02	.2543-02	1.605	11.61	532.1
267	.85000	.40000	921.00	.1123	.9300-01	.1085	.1999-02	.1655-02	.1932-02	1.221	9.132	530.0
267	.90000	.00000	922.00	.2317	.1910	.2003	.4125-02	.3400-02	.3567-02	2.453	19.50	536.5
267	.90000	.10000+00	923.00	.2268	.1874	.2003	.4038-02	.3338-02	.3871-02	2.440	18.19	535.8
267	.90000	.20000	924.00	.1846	.1526	.1776	.3287-02	.2718-02	.3162-02	1.989	14.35	531.7
267	.90000	.30000	925.00	.1632	.1351	.1575	.2905-02	.2405-02	.2805-02	1.771	12.80	531.7
267	.90000	.40000	926.00	.9740-01	.8070-01	.9420-01	.1735-02	.1437-02	.1678-02	1.063	7.698	528.2
267	.90000	.50000	927.00	.1001	.8290-01	.9880-01	.1782-02	.1476-02	.1759-02	1.092	8.608	527.8
267	.90000	.60000	928.00	.8520-01	.7050-01	.8580-01	.1517-02	.1258-02	.1527-02	.9340	7.507	524.8
267	.95000	.00000	929.00	.1298	.1074	.1126	.2311-02	.1913-02	.2005-02	1.409	10.53	531.1
267	.95000	.10000-01	930.00	.1802	.1490	.1693	.3209-02	.2653-02	.3015-02	1.942	14.01	535.8
267	.95000	.10000+00	931.00	.1792	.1481	.1708	.3190-02	.2638-02	.3042-02	1.931	14.40	535.6
267	.95000	.20000	932.00	.1837	.1520	.1771	.3272-02	.2706-02	.3154-02	1.983	13.87	534.7
267	.95000	.30000	933.00	.1660	.1373	.1504	.2956-02	.2446-02	.2856-02	1.795	12.96	533.8
267	.95000	.40000	934.00	.1145	.9480-01	.1109	.2038-02	.1688-02	.1974-02	1.246	9.320	529.6
267	.95000	.50000	935.00	.8720-01	.7230-01	.8520-01	.1553-02	.1287-02	.1517-02	.9530	7.262	527.0
267	.95000	.60000	936.00	.9390-01	.7780-01	.9330-01	.1672-02	.1386-02	.1661-02	1.029	7.716	525.2
267	.95000	.70000	937.00	.7050-01	.5850-01	.7090-01	.1256-02	.1042-02	.1263-02	.7770	5.931	522.3

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL20)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 5.000
BOFLAP = .0000 MACH = 8.000

5.0000

.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
272	7.940	1.025	30.03	.0000	180.0	210.7	.2300-01	1265.	93.00	1.000	3751.	.2045-04
273	7.940	1.020	30.01	.0000	180.0	210.4	.2300-01	1268.	93.20	.9990	3755.	.2037-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
272	.7485-07	.2444-01	.4020-01	0.0175
273	.7501-07	.2443-01	.4028-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
273	.30000	.00000	845.00	.4140-01	.3420-01	.3590-01	.1011-02	.8363-03	.8766-03	.6130	6.865	534.6
273	.30000	.50000-01	846.00	.1309	.1078	.1231	.3199-02	.2634-02	.3007-02	.1.892	21.02	549.7
273	.30000	.10000+00	847.00	.1130	.9320-01	.1069	.2762-02	.2277-02	.2612-02	1.644	14.07	546.0
273	.30000	.20000	848.00	.1026	.8470-01	.9800-01	.2507-02	.2069-02	.2394-02	1.500	10.78	543.1
273	.30000	.40000	850.00	.6060-01	.5000-01	.5830-01	.1480-02	.1221-02	.1425-02	.8830	6.341	544.9
273	.30000	.50000	851.00	.4540-01	.3740-01	.4400-01	.1109-02	.9149-03	.1076-02	.6620	4.912	544.7
273	.30000	.60000	852.00	.4390-01	.3620-01	.4260-01	.1073-02	.8854-03	.1040-02	.3420	4.768	543.1
273	.30000	.70000	853.00	.3640-01	.3010-01	.3540-01	.9903-03	.7348-03	.8646-03	.5330	3.637	542.1
273	.30000	.80000	854.00	.4060-01	.3350-01	.3960-01	.9911-03	.8185-03	.9679-03	.5960	4.434	540.0
273	.30000	.90000	855.00	.4320-01	.3570-01	.4310-01	.1054-02	.8726-03	.1053-02	.6420	4.713	532.8
273	.30000	.95000	856.00	.3900-01	.3230-01	.3930-01	.9530-03	.7895-03	.9608-03	.5830	4.225	529.0
273	.35000	.00000	857.00	.1002	.8270-01	.8670-01	.2449-02	.2020-02	.2119-02	1.464	12.54	543.6
273	.40000	.00000	858.00	.1852	.1520	.1596	.4524-02	.3714-02	.3300-02	2.631	26.43	559.7
273	.40000	.50000-01	859.00	.3518	.2884	.3237	.8596-02	.7045-02	.7910-02	4.958	35.27	564.4
273	.40000	.10000+00	860.00	.2213	.1820	.2090	.5408-02	.4447-02	.5107-02	3.174	22.69	554.4
273	.40000	.20000	861.00	.1233	.1016	.1188	.3013-02	.2482-02	.2902-02	1.786	13.24	548.3
273	.40000	.30000	862.00	.9870-01	.8130-01	.9550-01	.2411-02	.1987-02	.2337-02	1.433	10.29	546.6
273	.40000	.40000	863.00	.7700-01	.6350-01	.7470-01	.1881-02	.1551-02	.1825-02	1.122	8.613	544.9
273	.40000	.50000	864.00	.8250-01	.6810-01	.7980-01	.2016-02	.1664-02	.1951-02	1.210	8.181	541.0

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L20)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(CSTO) BTU/ R FT2SEC	H(CTO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW	
												DEG. R	DEG. R
273	.40000	.70000	865.00	.8180-01	.6750-01	.7930-01	.1998-02	.1650-02	.1938-02	1.200	8.114	540.7	540.7
273	.40000	.75000	866.00	.6920-01	.5720-01	.6740-01	.1692-02	.1397-02	.1647-02	1.017	7.572	539.7	539.7
273	.40000	.80000	867.00	.8130-01	.6720-01	.8050-01	.1987-02	.1642-02	.1986-02	1.198	9.075	538.3	538.3
273	.40000	.90000	868.00	.6860-01	.5680-01	.6910-01	.1677-02	.1387-02	.1688-02	1.016	8.742	535.5	535.5
273	.40000	.95000	869.00	.5910-01	.4890-01	.5990-01	.1445-02	.1196-02	.1464-02	.8790	7.158	533.1	533.1
273	.50000	.00000	871.00	.5483	.4451	.4686	.1340-01	.1088-01	.1145-01	7.332	59.01	593.3	593.3
273	.50000	.00000-01	872.00	.3508	.2877	.3247	.8571-02	.7029-02	.7933-02	4.953	37.69	563.3	563.3
273	.50000	.10000-00	873.00	.2060	.1696	.1962	.5033-02	.4145-02	.4795-02	2.978	22.06	549.4	549.4
273	.50000	.20000	874.00	.1192	.1148	.1344	.3402-02	.2305-02	.3285-02	2.028	14.56	545.1	545.1
273	.50000	.30000	875.00	.1153	.9510-01	.1116	.2817-02	.2324-02	.2727-02	1.682	12.09	544.8	544.8
273	.50000	.40000	876.00	.9640-01	.7950-01	.9340-01	.2356-02	.1944-02	.2283-02	1.410	10.14	542.8	542.8
273	.50000	.50000	877.00	.6950-01	.5740-01	.6740-01	.1698-02	.1402-02	.1647-02	1.020	7.116	540.4	540.4
273	.50000	.60000	878.00	.5710-01	.4730-01	.5360-01	.1396-02	.1155-02	.1358-02	.8430	6.685	533.8	533.8
273	.55000	.00000	879.00	.7182	.5728	.6054	.1755-01	.1400-01	.1479-01	8.763	71.55	641.9	641.9
273	.60000	.00000	880.00	.4498	.3641	.3836	.1099-01	.8898-02	.9372-02	5.926	53.45	602.0	602.0
273	.60000	.25000-01	881.00	.5000	.4076	.4506	.1222-01	.9959-02	.1101-01	6.831	51.43	582.1	582.1
273	.60000	.50000-01	882.00	.2774	.2272	.2574	.6777-02	.5552-02	.6289-02	3.893	37.28	566.8	566.8
273	.60000	.75000-01	883.00	.2867	.2355	.2714	.7005-02	.5754-02	.6632-02	4.085	30.12	558.1	558.1
273	.60000	.10000-00	884.00	.2157	.1777	.2064	.5270-02	.4342-02	.5043-02	3.129	22.45	547.5	547.5
273	.60000	.20000	885.00	.1458	.1204	.1412	.3564-02	.2942-02	.3450-02	2.137	15.38	541.5	541.5
273	.60000	.30000	886.00	.1365	.1127	.1321	.3336-02	.2753-02	.3229-02	1.998	13.50	542.2	542.2
273	.60000	.40000	887.00	.1129	.9320-01	.1092	.2760-02	.2277-02	.2668-02	1.652	11.51	542.4	542.4
273	.60000	.50000	888.00	.1070	.8830-01	.1037	.2613-02	.2157-02	.2534-02	1.568	10.93	541.3	541.3
273	.60000	.60000	889.00	.9010-01	.7440-01	.8740-01	.2211-02	.1818-02	.2135-02	1.326	9.258	538.7	538.7
273	.60000	.80000	891.00	.8650-01	.7150-01	.8560-01	.2113-02	.1747-02	.2091-02	1.276	9.508	537.4	537.4
273	.60000	.85000	892.00	.8830-01	.7300-01	.8700-01	.2156-02	.1783-02	.2144-02	1.307	9.591	535.0	535.0
273	.60000	.90000	893.00	.7620-01	.6310-01	.7680-01	.1861-02	.1541-02	.1877-02	1.135	8.624	531.6	531.6
273	.60000	.95000	894.00	.5850-01	.4840-01	.5920-01	.1428-02	.1183-02	.1447-02	.8740	6.654	529.0	529.0
273	.65000	.00000	895.00	.3402	.2770	.2914	.8312-02	.6769-02	.7120-02	4.622	38.80	585.1	585.1
273	.70000	.00000	896.00	.1635	.1340	.1407	.3994-02	.3273-02	.3438-02	2.300	29.82	565.4	565.4
273	.70000	.25000-01	897.00	.2325	.1911	.2098	.5680-02	.4670-02	.5126-02	3.329	30.73	555.0	555.0
273	.70000	.10000-00	898.00	.2191	.1806	.2092	.5353-02	.4414-02	.5113-02	2.188	22.18	545.7	545.7
273	.70000	.20000	899.00	.1765	.1458	.1703	.4312-02	.3562-02	.4161-02	2.595	16.10	539.3	539.3
273	.70000	.30000	900.00	.1447	.1196	.1403	.3537-02	.2922-02	.3429-02	2.134	13.25	537.9	537.9
273	.70000	.40000	901.00	.1256	.1038	.1218	.3069-02	.2536-02	.2975-02	1.853	11.94	537.3	537.3
273	.70000	.50000	902.00	.1111	.9180-01	.1078	.2715-02	.2244-02	.2634-02	1.639	10.47	537.3	537.3
273	.70000	.60000	903.00	.8790-01	.7280-01	.8650-01	.2149-02	.1779-02	.2162-02	1.310	9.470	531.7	531.7
273	.75000	.00000	904.00	.1992	.1643	.1723	.4868-02	.4015-02	.4211-02	2.505	23.11	544.5	544.5
273	.75000	.25000-01	905.00	.3490	.2855	.3135	.8528-02	.6976-02	.7660-02	4.861	38.16	571.2	571.2
273	.75000	.50000-01	906.00	.3013	.2480	.2820	.7362-02	.6059-02	.6890-02	4.342	32.13	551.3	551.3
273	.75000	.10000-00	907.00	.2302	.1898	.2199	.5626-02	.4638-02	.5373-02	3.352	23.32	545.4	545.4
273	.75000	.20000	908.00	.1490	.1231	.1439	.3642-02	.3008-02	.3516-02	2.192	15.29	539.4	539.4
273	.75000	.30000	909.00	.1327	.1098	.1285	.3244-02	.2682-02	.3139-02	1.966	12.57	535.0	535.0

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L20)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H1GTO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTHOT DEC. R /SEC	TH DEC. R
273	.75000	.40000	910.00	.1209	.9990-01	.1170	.2953-02	.2441-02	.2859-02	1.786	11.75	536.3
273	.75000	.60000	911.00	.1101	.9110-01	.1069	.2690-02	.2226-02	.2611-02	1.633	11.08	534.2
273	.75000	.80000	912.00	.1042	.8610-01	.1031	.2547-02	.2105-02	.2519-02	1.539	12.74	537.0
273	.75000	.90000	913.00	.8670-01	.7190-01	.8730-01	.2120-02	.1756-02	.2132-02	1.297	9.51	529.4
273	.75000	.95000	914.00	.6380-01	.5290-01	.6460-01	.1559-02	.1292-02	.1578-02	.9560	7.26	528.0
273	.80000	.00000	915.00	.3242	.2646	.2782	.7921-02	.6465-02	.6797-02	4.459	40.68	578.3
273	.80000	.20000	916.00	.1482	.1224	.1431	.3821-02	.2891-02	.3497-02	2.180	15.22	539.1
273	.80000	.40000	917.00	.1097	.9070-01	.1061	.2681-02	.2216-02	.2593-02	1.622	11.71	535.9
273	.80000	.60000	918.00	.9580-01	.7930-01	.9630-01	.2340-02	.1938-02	.2352-02	1.429	10.51	530.3
273	.85000	.00000	919.00	.3970	.3240	.3407	.9701-02	.7918-02	.8325-02	5.463	42.73	578.1
273	.85000	.20000	920.00	.1495	.1235	.1441	.3654-02	.3018-02	.3522-02	2.198	15.83	539.6
273	.85000	.40000	921.00	.1331	.1100	.1286	.3253-02	.2688-02	.3143-02	1.960	14.59	538.8
273	.90000	.00000	922.00	.2304	.1894	.1988	.5530-02	.4629-02	.4858-02	3.299	26.10	555.3
273	.90000	.10000+00	923.00	.2278	.1879	.2183	.5566-02	.4592-02	.5334-02	3.326	24.70	543.6
273	.90000	.20000	924.00	.1816	.1499	.1746	.4437-02	.3664-02	.4261-02	2.665	19.19	540.5
273	.90000	.30000	925.00	.1612	.1332	.1556	.3939-02	.3256-02	.3801-02	2.380	17.16	537.0
273	.90000	.50000	926.00	.1413	.1167	.1366	.3452-02	.2852-02	.3338-02	2.081	15.00	538.2
273	.90000	.80000	927.00	.1618	.1337	.1597	.3954-02	.3266-02	.3903-02	2.381	18.66	532.8
273	.90000	.90000	928.00	.1100	.9100-01	.1108	.2688-02	.2225-02	.2708-02	1.636	13.09	532.8
273	.95000	.00000	929.00	.1291	.1068	.1120	.3156-02	.2610-02	.3261-02	1.912	14.26	535.2
273	.95000	.50000-01	930.00	.1774	.1465	.1666	.4334-02	.3579-02	.4070-02	2.607	18.78	539.7
273	.95000	.10000+00	931.00	.1806	.1491	.1722	.4413-02	.3644-02	.4207-02	2.653	19.74	540.1
273	.95000	.20000	932.00	.1714	.1416	.1653	.4189-02	.3461-02	.4039-02	2.524	17.62	538.7
273	.95000	.30000	933.00	.1664	.1375	.1607	.4065-02	.3359-02	.3927-02	2.452	17.68	538.0
273	.95000	.50000	934.00	.1142	.9450-01	.1106	.2791-02	.2308-02	.2703-02	1.693	12.63	534.6
273	.95000	.70000	935.00	.1770	.1462	.1729	.4326-02	.3572-02	.4225-02	2.598	19.66	540.5
273	.95000	.80000	936.00	.1898	.1568	.1886	.4637-02	.3931-02	.4508-02	2.797	20.83	538.1
273	.95000	.90000	937.00	.1329	.1100	.1338	.3248-02	.2688-02	.3269-02	1.974	14.99	533.5

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(RVIL20)

LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BEIA = .0000 ELEVTR = 5.000 SPDBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
290	7.940	2.041	30.05	.0000	180.0	429.7	.4600-01	1286.	94.50	2.040	3782.	.4105-04
291	7.940	2.046	30.06	.0000	180.0	429.0	.4600-01	1282.	94.20	2.036	3776.	.4109-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
290	.7606-07	.3501-01	0.0175
291	.7585-07	.3496-01	.2840-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
291	.30000	.00000	845.00	.4050-01	.3350-01	.3510-01	.1417-02	.1171-02	.1228-02	.8670	9.669	541.8
291	.30000	.50000-01	846.00	.1249	.1025	.1173	.4367-02	.3584-02	.4099-02	2.563	28.22	566.9
291	.30000	.10000-00	847.00	.1091	.8970-01	.1031	.3814-02	.3138-02	.3604-02	2.269	19.29	559.2
291	.30000	.20000	848.00	.1027	.8460-01	.9800-01	.3592-02	.2958-02	.3427-02	2.148	15.35	555.7
291	.30000	.40000	850.00	.5420-01	.4460-01	.5220-01	.1896-02	.1560-02	.1823-02	1.129	8.053	558.5
291	.30000	.50000	851.00	.4320-01	.3550-01	.4190-01	.1510-02	.1243-02	.1464-02	.8990	6.631	558.4
291	.30000	.50000	852.00	.4280-01	.3530-01	.4150-01	.1497-02	.1233-02	.1451-02	.8930	6.589	557.4
291	.30000	.70000	853.00	.4700-01	.3870-01	.4560-01	.1643-02	.1353-02	.1595-02	.9820	7.012	556.4
291	.30000	.80000	854.00	.5760-01	.4740-01	.5620-01	.2013-02	.1658-02	.1965-02	1.205	8.898	555.4
291	.30000	.90000	855.00	.7130-01	.5680-01	.7120-01	.2493-02	.2057-02	.2489-02	1.510	11.01	548.2
291	.35000	.95000	856.00	.5950-01	.4920-01	.6010-01	.2083-02	.1721-02	.2100-02	1.271	9.140	543.5
291	.40000	.00000	857.00	.9650-01	.7950-01	.6750-01	.3375-02	.2781-02	.2918-02	2.026	17.28	553.6
291	.40000	.50000-01	858.00	.1869	.1528	.1506	.6533-02	.5341-02	.5614-02	3.753	37.33	579.6
291	.40000	.10000-00	859.00	.3437	.2802	.3154	.1202-01	.9786-02	.1103-01	6.795	47.76	588.5
291	.40000	.10000-00	860.00	.2178	.1783	.2053	.7615-02	.6233-02	.7179-02	4.409	31.20	575.0
291	.40000	.20000	861.00	.1203	.9880-01	.1158	.4207-02	.3456-02	.4048-02	2.481	18.24	564.2
291	.40000	.30000	862.00	.9290-01	.7630-01	.9000-01	.3248-02	.2569-02	.3146-02	1.919	13.66	563.1
291	.40000	.40000	863.00	.7340-01	.6040-01	.7120-01	.2567-02	.2111-02	.2488-02	1.522	11.59	561.1
291	.40000	.60000	864.00	.7920-01	.6520-01	.7660-01	.2770-02	.2291-02	.2678-02	1.657	11.12	555.8

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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(RVIL20)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(ISTO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
291	40000	70000	865.00	8590-01	7070-01	8320-01	3002-02	2471-02	2909-02	1.792	12.02	557.1
291	40000	75000	865.00	7730-01	6370-01	7520-01	2703-02	2226-02	2630-02	1.618	11.95	555.3
291	40000	85000	867.00	9860-01	8120-01	9760-01	3449-02	2839-02	3411-02	2.060	15.46	556.7
291	40000	90000	868.00	9000-01	6830-01	8350-01	2900-02	2390-02	2918-02	1.740	14.84	553.9
291	40000	95000	869.00	7360-01	6070-01	7460-01	2572-02	2122-02	2607-02	1.553	12.54	550.1
291	50000	00000	871.00	5420	4354	4595	1895-01	1522-01	1607-01	9.919	78.41	630.5
291	50000	00000-01	872.00	3467	2623	3.99	1212-01	9869-02	1118-01	6.810	51.08	592.1
291	50000	10000+00	873.00	2039	1670	1939	7128-02	5840-02	6780-02	4.143	30.32	572.8
291	50000	20000	874.00	1385	1138	1336	4841-02	3978-02	4671-02	2.860	20.36	563.2
291	50000	30000	875.00	1178	9690-01	1139	4119-02	3387-02	3984-02	2.443	17.41	560.9
291	50000	40000	876.00	1000-00	8220-01	9680-01	3496-02	2874-02	3394-02	2.073	14.77	560.9
291	50000	50000	877.00	7270-01	5990-01	7050-01	2543-02	2093-02	2465-02	1.517	10.49	557.3
291	50000	60000	878.00	6450-01	5320-01	6260-01	2254-02	1859-02	2190-02	1.359	10.58	551.1
291	55000	00000	879.00	7021	5495	5833	2455-01	1921-01	2040-01	11.33	90.34	692.3
291	60000	00000	880.00	4557	3647	3152	1593-01	1275-01	1347-01	8.178	72.38	640.7
291	60000	25000-01	881.00	5013	4049	4494	1753-01	1416-01	1571-01	9.441	70.01	615.2
291	60000	50000-01	882.00	2822	2295	2511	9865-02	8025-02	9128-02	5.517	52.10	594.7
291	60000	75000-01	883.00	2880	2352	2721	1007-01	8225-02	9515-02	5.753	41.90	582.7
291	60000	10000+00	884.00	2189	1795	2092	7653-02	6277-02	7314-02	4.477	31.77	569.0
291	60000	20000	885.00	1415	1163	1369	4949-02	4066-02	4785-02	2.925	20.82	562.8
291	60000	30000	886.00	1375	1130	1330	4808-02	3949-02	4649-02	2.835	18.95	564.3
291	60000	40000	887.00	1184	9730-01	1143	4139-02	3400-02	3937-02	2.444	16.85	563.5
291	60000	50000	888.00	1083	8900-01	1049	3786-02	3113-02	3668-02	2.244	15.49	561.2
291	60000	60000	889.00	9150-01	7530-01	8870-01	3201-02	2634-02	3103-02	1.908	13.19	557.8
291	60000	80000	891.00	9100-01	7490-01	9000-01	3181-02	2620-02	3146-02	1.902	14.04	556.0
291	60000	90000	892.00	9660-01	7950-01	9600-01	3377-02	2783-02	3356-02	2.027	14.74	553.6
291	60000	95000	893.00	7900-01	6520-01	7360-01	2761-02	2278-02	2784-02	1.668	12.56	550.0
291	65000	00000	894.00	6090-01	5030-01	6170-01	2128-02	1758-02	2157-02	1.295	9.776	545.3
291	65000	00000	895.00	3347	2703	2049	1170-01	9450-02	9561-02	6.297	52.07	615.7
291	70000	00000	896.00	1646	1342	1412	5755-02	4692-02	4935-02	3.295	41.73	588.3
291	70000	25000-01	897.00	2223	1820	2001	7773-02	6363-02	6997-02	4.496	41.08	575.6
291	70000	10000+00	898.00	2140	1757	2041	7483-02	6143-02	7137-02	4.400	30.30	565.9
291	70000	30000	900.00	1785	1468	1721	6242-02	5134-02	6016-02	3.709	22.77	559.7
291	70000	40000	901.00	1247	1026	1208	5050-02	4156-02	4891-02	3.009	18.49	558.1
291	70000	50000	902.00	1123	9240-01	108P	3925-02	3566-02	4223-02	2.585	16.31	559.5
291	70000	60000	903.00	1033	8520-01	1040	3613-02	2978-02	3805-02	2.333	14.74	552.6
291	70000	70000	904.00	1913	1572	1351	6689-02	5497-02	6335-02	2.173	15.55	552.6
291	75000	00000	905.00	3100	2521	2775	1084-01	8814-02	9701-02	3.955	46.96	595.3
291	75000	25000-01	906.00	2767	2267	2584	9673-02	7926-02	9036-02	5.628	41.21	572.1
291	75000	50000-01	907.00	2267	1855	2155	7902-02	6485-02	7536-02	4.635	31.89	567.3
291	75000	10000+00	908.00	15	1295	1518	5502-02	4528-02	5307-02	3.279	22.67	558.0
291	75000	20000	909.00	1300	1071	1257	4545-02	3745-02	4395-02	2.727	17.27	553.9

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L201)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
291	.75000	.40000	910.00	.1154	.9500-01	.1116	.4035-02	.3320-02	.3903-02	2.400	15.61	559.1
291	.75000	.60000	911.00	.1084	.8920-01	.1051	.3791-02	.3120-02	.3675-02	2.260	15.15	557.9
291	.75000	.80000	912.00	.1240	.1020	.1226	.4335-02	.3567-02	.4285-02	2.581	21.14	558.5
291	.75000	.90000	913.00	.1122	.9260-01	.1129	.3923-02	.3236-02	.3946-02	2.370	17.26	549.8
291	.75000	.95000	914.00	.8660-01	.7150-01	.8770-01	.3029-02	.2499-02	.3065-02	1.833	13.81	548.9
291	.80000	.00000	915.00	.3249	.2630	.2771	.1136-01	.9194-02	.9687-02	6.181	55.53	609.9
291	.80000	.20000	916.00	.2615	.2140	.2521	.9142-02	.7481-02	.8813-02	5.278	36.15	576.6
291	.80000	.40000	917.00	.1437	.1182	.1388	.5025-02	.4133-02	.4854-02	2.984	21.27	560.2
291	.80000	.60000	918.00	.1251	.1031	.1258	.4375-02	.3606-02	.4397-02	2.631	19.13	552.6
291	.85000	.00000	919.00	.3992	.3231	.3404	.1396-01	.1130-01	.1190-01	7.596	58.49	609.7
291	.85000	.20000	920.00	.2534	.2078	.2438	.8860-02	.7267-02	.8525-02	5.180	36.76	569.3
291	.85000	.40000	921.00	.3748	.3055	.3611	.1311-01	.1068-01	.1262-01	7.406	53.70	588.8
291	.90000	.00000	922.00	.2289	.1872	.1968	.8003-02	.6546-02	.6880-02	4.610	36.06	577.9
291	.90000	.20000	923.00	.2234	.1835	.2138	.7810-02	.6417-02	.7476-02	4.612	33.91	563.4
291	.90000	.40000	924.00	.1918	.1577	.1843	.6706-02	.5515-02	.6442-02	3.980	28.36	560.5
291	.90000	.60000	925.00	.2667	.1863	.2185	.7928-02	.6513-02	.7640-02	4.679	33.29	563.8
291	.90000	.80000	926.00	.3348	.2736	.3231	.1171-01	.9556-02	.1130-01	6.705	47.29	581.3
291	.90000	.00000	927.00	.3073	.2514	.3031	.1074-01	.8788-02	.1060-01	6.189	47.56	577.9
291	.90000	.20000	928.00	.2413	.1980	.2431	.8438-02	.6924-02	.8500-02	4.947	38.90	567.6
291	.95000	.00000	929.00	.1265	.1044	.1095	.4424-02	.3651-02	.3829-02	2.678	19.85	548.5
291	.95000	.50000-01	930.00	.1802	.1483	.1689	.6298-02	.5184-02	.5906-02	3.756	26.80	557.7
291	.95000	1.0000-00	931.00	.1792	.1467	.1697	.6272-02	.5128-02	.5934-02	3.711	27.36	558.4
291	.95000	.20000	932.00	.1820	.1498	.1752	.6362-02	.5236-02	.6126-02	3.791	26.21	558.1
291	.95000	.30000	933.00	.1744	.1435	.1683	.6098-02	.5018-02	.5885-02	3.635	25.94	557.9
291	.95000	.50000	934.00	.1858	.1535	.1806	.6531-02	.5368-02	.6315-02	3.865	28.44	562.2
291	.95000	.70000	935.00	.2504	.2053	.2442	.8755-02	.7176-02	.8539-02	5.103	38.02	571.1
291	.95000	.80000	936.00	.2285	.1878	.2270	.7990-02	.6566-02	.7936-02	4.723	34.74	562.8
291	.95000	.90000	937.00	.1643	.1354	.1654	.5745-02	.4734-02	.5781-02	3.446	25.89	554.2

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L20)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 5.000 SPD8RK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PSIA	P PSIA	TO DEG. R	Y DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
318	7.990	3.029	30.06	.0000	180.0	675.3	.7000-01	1321.	96.00	3.119	3835.	.6102-04
319	7.990	2.966	30.03	.0000	180.0	677.0	.7000-01	1341.	97.40	3.124	3864.	.6021-04

RUN NUMBER	MU	LB-SEC /FT ²	ST FR R =
318	.7726-07	.4350-01	0.0175
319	.7844-07	.4365-01	.2337-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAL)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAH) BTU/ R FT2SEC	QOOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
319	.30000	.00000	845.00	.4040-01	.3350-01	.3510-01	.1765-02	.1463-02	.1533-02	1.149	12.72	556.0
319	.30000	.50000-01	846.00	.1231	.1011	.1156	.5372-02	.4412-02	.5045-02	3.309	36.00	591.3
319	.30000	.10000+00	847.00	.1136	.9360-01	.1074	.4958-02	.4084-02	.4687-02	3.106	26.13	580.8
319	.30000	.20000	848.00	.1039	.8570-01	.9930-01	.4535-02	.3742-02	.4330-02	2.871	20.32	574.2
319	.30000	.40000	850.00	.5370-01	.4430-01	.5170-01	.2042-02	.1932-02	.2256-02	1.472	10.39	579.5
319	.30000	.50000	851.00	.4680-01	.3850-01	.4340-01	.2608-02	.1682-02	.1590-02	1.279	9.321	581.0
319	.30000	.60000	852.00	.5980-01	.4920-01	.5730-01	.3695-02	.2148-02	.2528-02	1.631	11.89	581.7
319	.30000	.70000	853.00	.8470-01	.6970-01	.8230-01	.5303-02	.3044-02	.3590-02	2.307	16.26	583.4
319	.30000	.80000	854.00	.1215	.1000+00	.136	.5530-02	.4365-02	.5176-02	3.307	24.08	583.6
319	.30000	.90000	855.00	.1267	.1046	.235	.4562-02	.4565-02	.5523-02	3.509	25.26	572.7
319	.30000	.00000	856.00	.1045	.8640-01	.034	.4302-02	.3733-02	.4600-02	2.925	20.79	566.1
319	.30000	.00000	857.00	.9860-01	.8140-01	.8530-01	.8139-02	.3552-02	.3725-02	2.731	23.07	572.4
319	.30000	.00000	858.00	.1855	.1524	.1632	.1524-01	.5651-02	.5992-02	4.882	47.91	607.3
319	.30000	.50000-01	859.00	.3492	.2842	.3233	.1524-01	.1240-01	.1398-01	8.941	61.86	620.6
319	.30000	.10000+00	860.00	.2184	.1788	.2059	.9534-02	.7803-02	.8988-02	5.764	40.23	602.6
319	.30000	.20000	861.00	.1207	.9920-01	.162	.5268-02	.4329-02	.5072-02	3.258	23.66	588.7
319	.30000	.30000	862.00	.9710-01	.7990-01	.9413-01	.4239-02	.3486-02	.4107-02	2.632	18.52	586.4
319	.30000	.40000	863.00	.7720-01	.6350-01	.7430-01	.3369-02	.2770-02	.3265-02	2.091	15.73	586.4
319	.30000	.60000	864.00	.9500-01	.7830-01	.9130-01	.4148-02	.3417-02	.4012-02	2.601	17.25	580.1

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	C/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
319	40000	70000	855.00	.1144	.9420-01	.1102	.4291-02	.4110-02	.4837-02	3.123	20.63	581.5
319	40000	75000	866.00	.1040	.8570-01	.1012	.4538-02	.3740-02	.4417-02	2.852	20.82	578.7
319	40000	80000	867.00	.1486	.1224	.1470	.6487-02	.5342-02	.6417-02	4.059	30.08	581.5
319	40000	90000	868.00	.1287	.1061	.1295	.5619-02	.4632-02	.5654-02	3.536	29.79	577.9
319	40000	95000	869.00	.1196	.9870-01	.1212	.5218-02	.4306-02	.5289-02	3.304	26.37	574.0
319	50000	00000	871.00	.5450	.4349	.4597	.2379-01	.1898-01	.2006-01	12.61	97.44	677.3
319	50000	50000-01	872.00	.3527	.2652	.3250	.1539-01	.1249-01	.1418-01	8.890	65.46	629.6
319	50000	10000-00	873.00	.2115	.1731	.2011	.9232-02	.7557-02	.8779-02	5.587	40.31	602.0
319	50000	20000	874.00	.1414	.1162	.1365	.6173-02	.5073-02	.5957-02	3.816	26.81	589.1
319	50000	30000	875.00	.1209	.9950-01	.1170	.5278-02	.4341-02	.5105-02	2.880	23.08	585.8
319	50000	40000	876.00	.1047	.8610-01	.1014	.569-02	.3759-02	.4425-02	2.845	20.03	584.7
319	50000	50000	877.00	.8640-01	.7110-01	.8370-01	.3770-02	.3103-02	.3655-02	2.352	16.06	581.3
319	50000	90000	878.00	.9540-01	.8200-01	.9630-01	.4337-02	.3578-02	.4214-02	2.740	21.09	575.3
319	55000	00000	879.00	.6538	.5043	.5370	.2653-01	.2201-01	.2344-01	12.91	99.99	754.7
319	60000	00000	880.00	.4650	.3695	.3911	.2034-01	.1613-01	.1707-01	10.46	90.28	693.0
319	60000	25000-01	881.00	.5081	.4075	.4538	.2218-01	.1778-01	.1981-01	12.04	87.19	664.3
319	60000	50000-01	882.00	.2681	.2331	.2660	.1252-01	.1018-01	.1161-01	7.149	66.08	638.8
319	60000	75000-01	883.00	.2915	.2370	.2760	.1272-01	.1034-01	.1201-01	7.420	52.96	624.0
319	60000	10000+00	884.00	.2163	.1769	.2066	.9443-02	.7721-02	.9018-02	5.680	39.58	605.7
319	60000	20000	885.00	.1515	.1244	.1465	.6613-02	.5430-02	.6394-02	4.072	28.58	591.4
319	60000	30000	886.00	.1432	.1176	.1385	.6251-02	.5132-02	.6044-02	3.846	25.35	591.8
319	60000	40000	887.00	.1255	.1030	.1212	.5475-02	.4493-02	.5283-02	3.377	22.97	590.6
319	60000	50000	888.00	.1162	.9550-01	.1126	.5070-02	.4170-02	.4913-02	3.150	21.48	585.8
319	60000	60000	889.00	.9700-01	.7930-01	.9400-01	.4233-02	.3485-02	.4104-02	2.648	18.09	581.6
319	60000	80000	891.00	.1482	.1220	.1456	.6470-02	.513-02	.6393-02	4.025	29.28	585.1
319	60000	95000	893.00	.1788	.1471	.1777	.7802-02	.6418-02	.7754-02	4.854	34.73	585.1
319	60000	00000	894.00	.1631	.1393	.1706	.7383-02	.6078-02	.7415-02	4.614	34.19	582.2
319	65000	00000	895.00	.1441	.1189	.1461	.6231-02	.5188-02	.6377-02	3.968	29.48	576.5
319	65000	20000	896.00	.3294	.2650	.2796	.7121-02	.5795-02	.6937-02	4.175	64.43	654.9
319	65000	40000	897.00	.1632	.1328	.1397	.6954-02	.5849-02	.6951-02	5.895	52.66	620.9
319	70000	25000-01	897.00	.2059	.1844	.2030	.9152-02	.7495-02	.8729-02	5.532	37.39	603.2
319	70000	50000	898.00	.2093	.1717	.2000	.7933-02	.6490-02	.7621-02	4.854	29.30	593.5
319	70000	70000	899.00	.1812	.1487	.1746	.6510-02	.5352-02	.6305-02	4.034	24.43	587.6
319	70000	90000	901.00	.1492	.1226	.1444	.5805-02	.4774-02	.5623-02	3.602	22.44	586.8
319	70000	00000	902.00	.1330	.1094	.1288	.5805-02	.4655-02	.5466-02	3.520	21.94	585.3
319	70000	20000	903.00	.2902	.2297	.2820	.1223-01	.1003-01	.1231-01	7.467	52.28	597.8
319	75000	00000	904.00	.2169	.1778	.1868	.5153-02	.4133-01	.5152-02	5.770	44.69	596.5
319	75000	25000-01	905.00	.3346	.2710	.2988	.1461-01	.1133-01	.1304-01	8.342	63.43	636.0
319	75000	50000	906.00	.3279	.2673	.2958	.1431-01	.1167-01	.1334-01	7.474	60.75	615.0
319	75000	75000	907.00	.2929	.2397	.2799	.1283-01	.1046-01	.1221-01	7.600	51.08	614.8
319	75000	90000	908.00	.1811	.1465	.1746	.7903-02	.6483-02	.7620-02	4.839	32.84	594.9
319	75000	00000	909.00	.1346	.1108	.1301	.5875-02	.4834-02	.5680-02	3.660	22.83	584.3

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

PC1 NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) FT2SEC	H(1TO) FT2SEC	H(1TAW) FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
319	75000	40000	910.00	.1205	.9910-01	.1165	.5261-02	.4327-02	.5089-02	3.268	20.97	586.0
319	75000	60000	911.00	.1201	.9890-01	.1165	.5243-02	.4316-02	.5083-02	3.274	21.68	582.7
319	75000	80000	912.00	.2670	.2186	.2639	.1165-01	.9511-02	.1152-01	7.055	56.56	601.9
319	75000	90000	913.00	.2860	.2348	.2678	.1248-01	.1025-01	.1256-01	7.675	54.72	592.4
319	75000	95000	914.00	.2237	.1838	.2264	.9762-02	.8020-02	.9883-02	6.028	44.49	589.8
319	80000	00000	915.00	.3406	.2747	.2896	.1487-01	.1199-01	.1264-01	8.304	73.21	648.6
319	80000	20000	916.00	.4344	.3527	.4181	.1896-01	.1540-01	.1625-01	10.99	73.39	627.7
319	80000	40000	917.00	.1836	.1505	.1772	.8012-02	.6571-02	.7736-02	4.900	34.32	595.6
319	80000	60000	918.00	.2964	.2428	.2980	.1294-01	.1060-01	.1301-01	7.862	55.86	599.5
319	85000	00000	919.00	.4046	.3265	.3442	.1766-01	.1425-01	.1502-01	9.901	74.90	646.6
319	85000	20000	920.00	.4015	.3266	.3657	.1752-01	.1426-01	.1684-01	10.25	70.88	622.1
319	85000	40000	921.00	.4548	.3689	.4377	.1985-01	.1610-01	.1911-01	11.44	81.35	631.1
319	90000	00000	922.00	.2261	.1849	.1943	.9357-02	.8069-02	.8481-02	5.941	45.85	605.1
319	90000	10000	923.00	.2399	.1971	.2297	.1047-01	.8635-02	.1002-01	6.474	47.01	589.0
319	90000	20000	924.00	.2701	.2212	.2593	.1179-01	.9655-02	.1132-01	7.152	49.97	600.5
319	90000	30000	925.00	.3650	.3135	.3704	.1383-01	.1368-01	.1616-01	9.875	68.36	619.2
319	90000	50000	926.00	.3962	.3226	.3920	.1459-01	.1408-01	.1667-01	10.17	70.40	609.0
319	90000	80000	927.00	.3343	.2730	.3297	.1217-01	.9568-02	.1226-01	7.384	57.12	600.5
319	90000	90000	928.00	.2789	.2284	.2810	.5517-02	.4561-02	.4782-02	3.531	25.91	567.3
319	95000	00000	929.00	.1254	.1045	.1096	.7755-02	.6399-02	.7275-02	4.865	34.34	579.9
319	95000	50000	930.00	.1777	.1464	.1667	.8048-02	.6827-02	.7656-02	5.034	36.69	581.7
319	95000	10000	931.00	.1844	.1518	.1756	.9067-02	.7459-02	.8731-02	5.641	38.47	585.0
319	95000	20000	932.00	.2077	.1709	.2000	.1203-01	.9849-02	.1160-01	7.288	50.90	601.4
319	95000	30000	933.00	.2756	.2257	.2658	.1194-01	.9765-02	.1153-01	7.196	51.86	604.3
319	95000	50000	934.00	.2735	.2237	.2643	.1126-01	.9227-02	.1099-01	6.842	50.25	599.8
319	95000	70000	935.00	.2581	.2114	.2517	.1082-01	.8887-02	.1075-01	6.671	48.40	590.7
319	95000	90000	936.00	.2479	.2036	.2463	.8144-02	.6706-02	.8195-02	5.097	37.78	581.3
319	95000	50000	937.00	.1866	.1537	.1878						

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
312	8.000	3.745	30.05	.0000	180.0	859.9	.8800-01	1344.	97.40	3.946	3868.	.7589-04
313	8.000	3.766	30.06	.0000	180.0	862.9	.8800-01	1342.	97.20	3.960	3865.	.7625-04

RUN NUMBER	MJ	LB-SEC /FT2	ST FR R =	HREF BTU/ R FT2SEC
312	7839-07		0.0175	
313	7828-07		.2099-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(GTO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
313	30000	.00000	845.00	.3530-01	.3290-01	.3450-01	.953-02	.1618-02	.1696-02	1.265	13.98	560.1
313	30000	.50000-01	846.00	.1195	.9780-01	.1121	.5873-02	.4808-02	.5003-02	3.556	38.48	662.2
313	30000	.10000-00	847.00	.1078	.8350-01	.1018	.5238-02	.4353-02	.4896-02	3.273	27.41	589.8
313	30000	.20000	848.00	.1042	.8580-01	.9940-01	.5121-02	.4217-02	.2598-02	3.203	22.58	582.2
313	30000	.40000	850.00	.5500-01	.4520-01	.5290-01	.2702-02	.2229-02	.4357-02	1.671	11.76	588.3
313	30000	.50000	851.00	.5520-01	.4530-01	.5320-01	.2713-02	.2228-02	.4357-02	2.766	20.04	592.9
313	30000	.60000	852.00	.9160-01	.7510-01	.8970-01	.4439-02	.3693-02	.6656-02	4.179	29.22	598.8
313	30000	.70000	853.00	.1397	.1144	.1354	.9419-02	.7705-02	.9184-02	5.547	40.95	604.4
313	30000	.80000	854.00	.1917	.1568	.1869	.8854-02	.7367-02	.8950-02	5.547	39.62	585.8
313	30000	.90000	855.00	.1824	.1493	.1821	.5884-02	.5672-02	.6942-02	4.323	30.52	579.7
313	30000	.95000	856.00	.1401	.1154	.1413	.4790-02	.3947-02	.4142-02	3.009	25.33	579.5
313	35000	.60000	857.00	.1346	.1502	.1581	.9370-02	.7383-02	.7768-02	5.327	51.94	620.3
313	35000	.60000	858.00	.3460	.2802	.3165	.1700-01	.1377-01	.1556-01	9.707	66.64	636.8
313	40000	.50000-01	859.00	.2235	.1871	.2161	.1128-01	.9195-02	.1062-01	6.777	46.30	615.1
313	40000	.10000-00	860.00	.1245	.1020	.1198	.6119-02	.5014-02	.5887-02	3.724	26.90	599.1
313	40000	.20000	861.00	.1011	.8280-01	.9790-01	.4966-02	.4071-02	.4808-02	3.032	21.22	597.1
313	40000	.30000	862.00	.1011	.8280-01	.9790-01	.4966-02	.4071-02	.4808-02	3.032	21.22	597.1
313	40000	.40000	863.00	.8610-01	.7060-01	.8340-01	.4231-02	.3169-02	.4099-02	2.587	19.36	596.2
313	40000	.50000	864.00	.1251	.1027	.1209	.6148-02	.5017-02	.5941-02	3.783	24.93	532.3

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y:3	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
313	40000	70000	865.00	1504	1233	1456	7389-02	6060-02	7156-02	4.521	29.74	595.9
313	40000	75000	866.00	1483	1218	1483	7289-02	5984-02	7089-02	4.584	32.49	592.7
313	40000	80000	867.00	2200	1803	2175	1081-01	8859-02	1069-01	6.584	48.39	598.7
313	40000	90000	868.00	1960	1608	1972	9631-02	7900-02	9692-02	5.898	49.26	595.3
313	40000	95000	869.00	1779	1461	1804	8743-02	7178-02	8864-02	5.379	42.54	592.4
313	50000	100000	871.00	5320	4203	4452	2614-01	2065-01	2188-01	13.20	100.8	702.8
313	50000	50000-01	872.00	3637	2933	3342	1787-01	1441-01	1642-01	9.988	72.97	648.2
313	50000	100000-00	873.00	2229	1818	2117	1095-01	8931-02	1040-01	6.489	46.52	615.2
313	50000	20000	874.00	1459	1195	1406	7168-02	5871-02	6911-02	4.353	30.42	600.3
313	50000	30000	875.00	1242	1019	1201	6105-02	5005-02	5901-02	3.729	26.11	596.8
313	50000	40000	876.00	1116	9150-01	1080	5482-02	4496-02	5305-02	3.352	23.47	596.2
313	50000	60000	877.00	1016	8330-01	1080	4991-02	4095-02	4835-02	3.061	20.78	594.4
313	50000	90000	878.00	1418	1165	1377	6970-02	5723-02	6767-02	4.290	32.74	592.2
313	50000	100000	879.00	6129	4648	4968	3012-01	2284-01	2441-01	12.68	96.78	786.7
313	60000	100000	880.00	4476	3506	3721	2199-01	1723-01	1829-01	10.67	90.90	722.3
313	60000	25000-01	881.00	5145	4080	4567	2528-01	2005-01	2244-01	13.00	92.85	693.5
313	60000	50000-01	882.00	2943	2361	2708	1463-01	1182-01	1331-01	7.871	71.91	663.3
313	60000	75000-01	883.00	2978	2405	2804	1147-01	9336-02	1094-01	6.724	58.20	644.8
313	60000	100000-00	884.00	2335	1900	2227	7944-02	6500-02	7676-02	4.799	46.50	621.6
313	60000	20000	885.00	1617	1323	1562	7564-02	6187-02	7308-02	4.560	33.48	603.5
313	60000	30000	886.00	1539	1259	1487	7228-02	5912-02	6975-02	4.357	29.43	604.8
313	60000	40000	887.00	1471	1203	1420	6967-02	5708-02	6746-02	4.240	28.72	599.1
313	60000	50000	888.00	1284	1162	1373	6311-02	5179-02	6114-02	3.870	26.27	594.4
313	60000	60000	889.00	1054	1054	1244	1149-01	9233-02	1136-01	5.900	49.65	607.2
313	60000	80000	891.00	2339	1911	2312	1384-01	1131-01	1375-01	8.292	58.65	608.7
313	60000	892.00	892.00	2817	2302	2799	1261-01	1032-01	1272-01	7.618	55.85	603.6
313	60000	893.00	893.00	2567	2100	2589	1035-01	8491-02	1049-01	6.351	46.78	593.9
313	60000	894.00	894.00	2106	1728	2135	1566-01	1250-01	1321-01	8.330	66.93	675.5
313	60000	895.00	895.00	3186	2544	2699	7802-02	6314-02	6652-02	4.444	55.60	639.0
313	70000	25000-01	897.00	2307	1874	2068	1134-01	9209-02	1015-01	6.586	58.68	626.7
313	70000	1.500-00	898.00	2196	1789	2091	1079-01	8791-02	1027-01	6.357	42.65	618.7
313	70000	20000	899.00	1863	1523	1794	9155-02	7485-02	8814-02	5.508	33.05	606.0
313	70000	30000	900.00	1587	1300	1535	7795-02	6387-02	7545-02	4.742	26.55	599.4
313	70000	40000	901.00	1560	1278	1510	7668-02	6279-02	7420-02	4.654	28.80	601.7
313	70000	50000	902.00	2247	1837	2176	1104-01	9026-02	1069-01	6.632	40.91	607.1
313	70000	60000	903.00	3135	2557	3155	1542-01	1257-01	1550-01	9.159	63.61	613.0
313	70000	90000	904.00	2083	2083	2192	1258-01	1024-01	1077-01	7.376	56.49	621.2
313	75000	25000-01	905.00	2560	2560	3306	1828-01	1468-01	1625-01	10.00	75.18	660.4
313	75000	50000-01	906.00	3720	3334	3835	2028-01	1638-01	1884-01	11.45	81.02	642.7
313	75000	100000-00	907.00	3699	2989	3513	1818-01	1469-01	1726-01	10.27	68.09	642.7
313	75000	20000	908.00	2098	1713	2021	1031-01	8420-02	9929-02	6.166	41.55	609.5
313	75000	30000	909.00	1410	1156	1362	6928-02	5683-02	6694-02	4.241	26.31	595.5

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL20)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(OTO) BTU/ R FT2SEC	H(OTO) BTU/ R FT2SEC	H(OTO) BTU/ R FT2SEC	H(OTO) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
313	.75000	.40000	910.00	.1291	.1058	.1248	.6343-02	.5199-02	.6131-02	3.867	24.67	598.0	
313	.75000	.60000	911.00	.2516	.2057	.2436	.1236-01	.1011-01	.1197-01	7.435	48.66	606.2	
313	.75000	.80000	912.00	.3428	.2785	.3385	.1684-01	.1358-01	.1664-01	9.791	77.56	626.3	
313	.75000	.90000	913.00	.3101	.2535	.3120	.1524-01	.1246-01	.1533-01	9.155	64.81	607.0	
313	.75000	.95000	914.00	.2418	.1979	.2448	.1188-01	.9723-02	.1203-01	7.185	52.70	602.8	
313	.80000	.00000	915.00	.3609	.2889	.3051	.1773-01	.1420-01	.1499-01	9.550	83.38	669.1	
313	.80000	.20000	916.00	.5059	.4075	.4862	.2486-01	.2002-01	.2389-01	13.81	91.17	652.2	
313	.80000	.40000	917.00	.2067	.1687	.1994	.1016-01	.8289-02	.9798-02	6.044	41.98	612.7	
313	.80000	.60000	918.00	.3094	.2524	.3111	.1520-01	.1240-01	.1529-01	9.032	63.73	613.6	
313	.85000	.00000	919.00	.4060	.3256	.3438	.1235-01	.1600-01	.1689-01	10.85	81.41	663.7	
313	.85000	.20000	920.00	.4619	.3729	.4430	.2270-01	.1832-01	.2177-01	12.76	87.19	645.7	
313	.85000	.40000	921.00	.5007	.4031	.4811	.2460-01	.1981-01	.2364-01	13.64	95.96	653.4	
313	.90000	.00000	922.00	.2278	.1856	.1953	.1119-01	.9122-02	.9596-02	6.617	50.79	616.5	
313	.90000	.10000	923.00	.2883	.2357	.2756	.1417-01	.1158-01	.1354-01	8.519	61.33	606.3	
313	.90000	.20000	924.00	.3953	.3199	.3783	.1942-01	.1572-01	.1859-01	11.06	75.90	638.1	
313	.90000	.30000	925.00	.4143	.3590	.4267	.2183-01	.1764-01	.2037-01	12.33	84.35	643.2	
313	.90000	.40000	926.00	.4246	.3436	.4089	.2087-01	.1688-01	.2009-01	11.87	81.42	638.7	
313	.90000	.50000	927.00	.3558	.2892	.3507	.1748-01	.1421-01	.1724-01	10.18	76.44	625.3	
313	.90000	.60000	928.00	.3024	.2465	.3048	.1486-01	.1211-01	.1498-01	8.783	67.41	616.7	
313	.95000	.00000	929.00	.1263	.1042	.1093	.6207-02	.5122-02	.5373-02	3.935	28.79	573.6	
313	.95000	.10000	930.00	.1814	.1491	.1700	.8915-02	.7325-02	.8354-02	5.512	38.73	589.3	
313	.95000	.20000	931.00	.2069	.1697	.1968	.1017-01	.8340-02	.9672-02	6.235	45.15	594.3	
313	.95000	.30000	932.00	.3042	.2482	.2924	.1495-01	.1220-01	.1437-01	8.887	59.79	613.1	
313	.95000	.40000	933.00	.3776	.3060	.3633	.1855-01	.1504-01	.1785-01	10.65	73.23	633.6	
313	.95000	.50000	934.00	.2994	.2437	.2890	.1471-01	.1158-01	.1420-01	8.634	61.72	620.8	
313	.95000	.60000	935.00	.2762	.2253	.2692	.1357-01	.1107-01	.1323-01	8.063	58.83	613.6	
313	.95000	.70000	936.00	.2661	.2176	.2643	.1308-01	.1069-01	.1299-01	7.879	56.76	605.1	
313	.95000	.80000	937.00	.2058	.1688	.2071	.1011-01	.8295-02	.1018-01	6.195	45.61	595.0	

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AEDC VWF V41B-57A (OH-498) COLLATION DECK

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(RV1L21)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .3000 ELEVTR = 5.000 SPOBRK = .0000
 SOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
268	7.900	.5270	40.04	.0000	180.0	107.2	.1200-01	1268.	94.10	.5210	3754.	.1063-04
269	7.900	.5356	40.05	.0000	180.0	109.1	.1200-01	1269.	94.20	.5300	3756.	.1081-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
268	.7573-07	.1764-01	0.0175
269	.7580-07	.1780-01	.5531-01

TEST DATA

RUN NUMBER	2Y/B	X/C	I/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1GTO) BTU/ R FT2SEC	H1TC) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
269	.30000	.00000	945.00	.4560-01	.3770-01	.4090-01	.8117-03	.6717-03	.7284-03	.4940	5.538	533.2
269	.30000	.50000-01	846.00	.1491	.1229	.1345	.2654-02	.2188-02	.2394-02	1.583	17.62	545.7
269	.30000	10000-00	847.00	.1349	.1113	.1223	.2402-02	.1982-02	.2178-02	1.438	12.32	543.8
269	.30000	.20000	848.00	.1251	.1033	.1144	.2227-02	.1838-02	.2037-02	1.337	9.623	541.8
269	.31000	.40000	850.00	.8190-01	.6750-01	.7550-01	.1458-02	.1202-02	.1343-02	.8720	6.263	544.4
269	.30000	.50000	851.00	.6790-01	.5600-01	.6300-01	.1208-02	.0967-03	.1122-02	.7230	5.366	544.3
269	.30000	.60000	852.00	.6580-01	.5430-01	.6110-01	.172-02	.9671-03	.1088-02	.7020	5.217	543.2
269	.30000	.70000	853.00	.6020-01	.4970-01	.5600-01	.1072-02	.6848-03	.9855-03	.6440	4.631	541.9
269	.30000	.80000	854.00	.6170-01	.5100-01	.5770-01	.1099-02	.9074-03	.1027-02	.6610	4.920	540.5
269	.30000	.90000	855.00	.6280-01	.5190-01	.5700-01	.1117-02	.9246-03	.1069-02	.6810	4.999	533.2
269	.30000	.95000	856.00	.5880-01	.4870-01	.5680-01	.1046-02	.8664-03	.1011-02	.6410	4.636	530.0
269	.35000	.00000	857.00	.1050	.8670-01	.9410-01	.1870-02	.1544-02	.1676-02	1.124	9.649	541.0
269	.40000	.00000	858.00	.1722	.1419	.1541	.3066-02	.2525-02	.2744-02	1.817	18.35	549.8
269	.40000	.50000-01	859.00	.3419	.2812	.3027	.6087-02	.5006-02	.5389-02	3.580	25.60	554.3
269	.40000	10000-00	860.00	.2409	.1984	.2181	.4289-02	.3533-02	.3883-02	2.544	18.23	549.3
269	.40000	.20000	861.00	.1446	.1192	.1333	.2574-02	.2122-02	.2374-02	1.535	11.39	546.0
269	.40000	.30000	862.00	.1184	.9770-01	.1041	.2108-02	.1739-02	.1956-02	1.260	9.053	544.6
269	.40000	.40000	863.00	.9680-01	.7980-01	.8940-01	.1723-02	.1421-02	.1599-02	1.031	7.919	544.0
269	.40000	.50000	864.00	.8730-01	.7210-01	.8090-01	.1554-02	.1284-02	.1440-02	.9370	6.341	539.4

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/R	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
269	40000	70000	865.00	.8790-01	.7260-01	.8160-01	.1555-02	.1293-02	.1453-02	.9430	6.378	539.9
269	40000	75000	866.00	.7610-01	.6230-01	.7090-01	.1354-02	.1119-02	.1263-02	.8180	6.089	538.6
269	40000	85000	867.00	.9430-01	.7790-01	.8930-01	.1679-02	.1388-02	.1590-02	1.015	7.692	537.7
269	40000	90000	868.00	.8030-01	.6640-01	.7740-01	.1429-02	.1182-02	.1378-02	.8670	7.465	535.5
269	40000	95000	869.00	.7060-01	.5840-01	.6860-01	.1257-02	.1041-02	.1221-02	.7660	6.238	533.3
269	50000	00000	871.00	.4813	.3944	.4294	.8569-02	.7022-02	.7645-02	4.939	40.30	566.0
269	50000	50000-01	872.00	.3549	.2920	.3158	.6318-02	.5198-02	.5822-02	3.723	28.47	553.0
269	50000	10000+00	873.00	.2171	.1791	.1983	.3866-02	.3189-02	.3530-02	2.312	17.17	544.4
269	50000	20000	874.00	.1477	.1219	.1366	.2629-02	.2171-02	.2431-02	1.580	11.37	541.4
269	50000	30000	875.00	.1135	.9380-01	.1052	.2021-02	.1669-02	.1874-02	1.217	8.785	540.2
269	50000	40000	876.00	.9840-01	.8130-01	.9130-01	.1752-02	.1447-02	.1626-02	1.055	7.592	540.5
269	50000	50000	877.00	.9080-01	.7500-01	.8430-01	.1616-02	.1335-02	.1501-02	.9750	6.805	539.0
269	50000	60000	878.00	.8200-01	.6790-01	.7640-01	.1460-02	.1208-02	.1360-02	.8930	6.983	533.9
269	55000	00000	879.00	.6318	.5127	.5604	.1125-01	.9128-02	.9976-02	6.148	31.34	595.8
269	60000	00000	880.00	.5726	.4655	.5084	.1019-01	.8288-02	.9051-02	5.627	51.04	590.4
269	60000	25000-01	881.00	.6961	.5686	.6041	.1239-01	.1012-01	.1076-01	7.018	53.05	576.1
269	60000	50000-01	882.00	.3762	.3086	.3350	.6693-02	.5494-02	.5565-02	3.879	37.20	563.4
269	60000	75000-01	883.00	.3872	.3184	.3512	.6694-02	.5068-02	.6252-02	4.045	29.86	555.7
269	60000	10000+00	884.00	.2864	.2361	.2625	.5099-02	.4204-02	.4674-02	3.040	21.83	546.1
269	60000	20000	885.00	.1794	.1482	.1663	.3194-02	.2638-02	.2861-02	1.924	13.85	540.1
269	60000	30000	886.00	.1589	.1312	.1473	.2828-02	.2316-02	.2622-02	.704	11.53	539.8
269	60000	40000	887.00	.1340	.1107	.1241	.2385-02	.1970-02	.2209-02	1.437	10.03	539.9
269	60000	50000	888.00	.1205	.9950-01	.1119	.2145-02	.1773-02	.1992-02	1.296	9.053	538.0
269	60000	60000	889.00	.1091	.9020-01	.1014	.1942-02	.1611-02	.1805-02	1.177	8.528	536.3
269	60000	80000	891.00	.1035	.8560-01	.9800-01	.1842-02	.1523-02	.1745-02	1.117	8.325	536.3
269	60000	95000	892.00	.1171	.9590-01	.1115	.2065-02	.1725-02	.1965-02	1.269	9.320	533.5
269	60000	00000	893.00	.9540-01	.7930-01	.9210-01	.1398-02	.1406-02	.1640-02	1.037	7.881	531.6
269	65000	00000	894.00	.7540-01	.6250-01	.7320-01	.1342-02	.1112-02	.1304-02	.8240	6.268	528.7
269	70000	00000	895.00	.3575	.2930	.3169	.6365-02	.5216-02	.5678-02	3.667	31.08	566.2
269	70000	25000-01	896.00	.1559	.1284	.1395	.2776-02	.2286-02	.2484-02	1.644	21.48	550.2
269	70000	50000-01	897.00	.2463	.2031	.2147	.4585-02	.3615-02	.3821-02	2.612	24.22	546.7
269	70000	10000+00	898.00	.2578	.2127	.2359	.4589-02	.3727-02	.4200-02	2.751	19.16	543.0
269	70000	20000	899.00	.2055	.1705	.1908	.3676-02	.3037-02	.3397-02	2.217	13.76	539.1
269	70000	30000	900.00	.1645	.1360	.1527	.2928-02	.2422-02	.2719-02	1.776	11.03	536.0
269	70000	40000	901.00	.1509	.1247	.1400	.2695-02	.2220-02	.2493-02	1.629	10.41	535.8
269	70000	50000	902.00	.1356	.1121	.1260	.2413-02	.1936-02	.2243-02	1.465	9.370	535.1
269	70000	60000	903.00	.1115	.9230-01	.1075	.1635-02	.1643-02	.1913-02	1.213	8.778	531.0
269	75000	00000	904.00	.1849	.1529	.1688	.3291-02	.2721-02	.2952-02	1.996	15.95	535.9
269	75000	25000-01	905.00	.3325	.2735	.2688	.5920-02	.4869-02	.5142-02	3.432	27.57	554.2
269	75000	50000-01	906.00	.3353	.2764	.3012	.5969-02	.4921-02	.5363-02	3.559	26.40	546.2
269	75000	10000+00	907.00	.2912	.2402	.2664	.5184-02	.4277-02	.4743-02	3.103	21.60	543.3
269	75000	20000	908.00	.1931	.1646	.1842	.3545-02	.2930-02	.3279-02	2.142	14.95	538.3
269	75000	30000	909.00	.1660	.1373	.1539	.2955-02	.2444-02	.2740-02	1.796	11.48	534.8

REPRODUCIBILITY OF THE
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AEDC VKI V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1(9TO) BTU/ R F12SEC	H1(TO) BTU/ R F12SEC	H1(TAW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMDT DEG. R /SEC	TW DEG. R
269	.75000	.40000	910.00	.1495	.1237	.1387	.2662-02	.2202-02	.2470-02	1.617	10.85	534.9
269	.75000	.60000	911.00	.1289	.1067	.1199	.2293-02	.1900-02	.2134-02	1.399	9.499	532.9
269	.75000	.80000	912.00	.1321	.1092	.1251	.2351-02	.1945-02	.2227-02	1.429	11.84	534.8
269	.75000	.90000	913.00	.1163	.9640-01	.1121	.2070-02	.1715-02	.1996-02	1.270	9.347	529.0
269	.75000	.95000	914.00	.8250-01	.6840-01	.8010-01	.1469-02	.1218-02	.1426-02	.9030	6.873	528.1
269	.80000	.00000	915.00	.2701	.2222	.2415	.4808-02	.3956-02	.4300-02	2.833	26.18	553.2
269	.80000	.20000	916.00	.2182	.1804	.2019	.3884-02	.3212-02	.3595-02	2.354	16.45	536.5
269	.80000	.40000	917.00	.1549	.1281	.1435	.2758-02	.2281-02	.2555-02	1.674	12.08	535.5
269	.80000	.60000	918.00	.1242	.1029	.1196	.2211-02	.1831-02	.2129-02	1.354	9.957	530.1
269	.85000	.00000	919.00	.3022	.2489	.2704	.5381-02	.4430-02	.4814-02	3.184	25.25	550.7
269	.85000	.20000	920.00	.2081	.1720	.1922	.3706-02	.3062-02	.3421-02	2.238	16.13	538.4
269	.85000	.40000	921.00	.1648	.1362	.1525	.2933-02	.2425-02	.2715-02	1.777	13.24	536.7
269	.90000	.00000	922.00	.1730	.1429	.1551	.3080-02	.2544-02	.2761-02	1.857	14.80	539.7
269	.90000	.20000	923.00	.2289	.1892	.2103	.4076-02	.3368-02	.3744-02	2.463	18.35	538.1
269	.90000	.40000	924.00	.2125	.1756	.1958	.3783-02	.3127-02	.3486-02	2.287	16.48	538.0
269	.90000	.60000	925.00	.2003	.1655	.1851	.3566-02	.2946-02	.3296-02	2.153	15.52	538.5
269	.90000	.80000	926.00	.1630	.1348	.1510	.2902-02	.2400-02	.2688-02	1.761	12.71	535.7
269	.90000	.90000	927.00	.1555	.1287	.1470	.2769-02	.2291-02	.2618-02	1.685	13.24	533.8
269	.95000	.00000	928.00	.1198	.9920-01	.1156	.2132-02	.1766-02	.2058-02	1.305	10.46	530.3
269	.95000	.20000	929.00	.9370-01	.7770-01	.8420-01	.1663-02	.1382-02	.1498-02	1.025	7.677	527.7
269	.95000	.40000	930.00	.1504	.1245	.1357	.2678-02	.2216-02	.2416-02	1.632	11.80	532.8
269	.95000	.60000	931.00	.1666	.1378	.1523	.2966-02	.2453-02	.2712-02	1.800	13.43	535.5
269	.95000	.80000	932.00	.1876	.1551	.1732	.3340-02	.2761-02	.3084-02	2.021	14.12	537.3
269	.95000	.90000	933.00	.1890	.1553	.1749	.3365-02	.2782-02	.3114-02	2.036	14.68	537.3
269	.95000	.00000	934.00	.1394	.1153	.1293	.2481-02	.2053-02	.2302-02	1.511	11.28	533.4
269	.95000	.20000	935.00	.1637	.1354	.1531	.2914-02	.2410-02	.2726-02	1.768	13.41	535.6
269	.95000	.40000	936.00	.1584	.1311	.1508	.2820-02	.2335-02	.2684-02	1.721	12.86	532.0
269	.95000	.60000	937.00	.1062	.8800-01	.1024	.1891-02	.1567-02	.1823-02	1.163	8.855	527.5

AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEC.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
274	7.940	1.019	40.06	.0000	180.0	211.2	.2300-01	1272.	93.50	1.002	3761.	.2039-04
275	7.940	1.016	40.07	.0000	180.0	211.2	.2300-01	1275.	93.70	1.002	3765.	.2035-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
274	.7525-07	.2449-01		0.0175
275	.7541-07	.2450-01		.4028-01 .4033-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN) FT2SEC	H19T0 BTU/ R FT2SEC	H1T0 BTU/ R FT2SEC	H1TAN BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
275	.30000	.00000	845.00	.4120-01	.3410-01	.3700-01	.1010-02	.8356-03	.9063-03	.6170	6.895	536.6
275	.30000	.50000-01	846.00	.1458	.1200	.1313	.3572-02	.2340-02	.3218-02	2.116	23.45	554.7
275	.30000	.10000+00	847.00	.1423	.1172	.1289	.3497-02	.2872-02	.3159-02	2.077	17.73	551.6
275	.30000	.20000	848.00	.1273	.1050	.1164	.3119-02	.2572-02	.2852-02	1.868	13.40	548.2
275	.30000	.40000	850.00	.7660-01	.6310-01	.7050-01	.1876-02	.1546-02	.1728-02	1.117	7.999	551.7
275	.30000	.50000	851.00	.6060-01	.4990-01	.5620-01	.1465-02	.1223-02	.1379-02	.8830	6.530	552.5
275	.30000	.60000	852.00	.6080-01	.5010-01	.5640-01	.1490-02	.1227-02	.1382-02	.8870	6.559	552.0
275	.30000	.70000	853.00	.5500-01	.4530-01	.5110-01	.1348-02	.1111-02	.1252-02	.8040	5.754	551.1
275	.30000	.80000	854.00	.5900-01	.4860-01	.5510-01	.1445-02	.1190-02	.1349-02	.8620	6.377	550.8
275	.30000	.90000	855.00	.6370-01	.5260-01	.6030-01	.1562-02	.1289-02	.1493-02	.9390	6.855	545.7
275	.30000	.95000	856.00	.5650-01	.4670-01	.5460-01	.1385-02	.1144-02	.1337-02	.8370	6.022	542.5
275	.35000	.00000	857.00	.1025	.8450-01	.9180-01	.2512-02	.2072-02	.2250-02	1.509	12.92	546.3
275	.40000	.00000	858.00	.1723	.1416	.1540	.4222-02	.3471-02	.3774-02	2.484	24.97	558.8
275	.40000	.50000-01	859.00	.3332	.2783	.2938	.8315-02	.6819-02	.7347-02	4.833	34.35	565.9
275	.40000	.10000+00	860.00	.2413	.1983	.2182	.5912-02	.4658-02	.5345-02	3.473	24.76	559.7
275	.40000	.20000	861.00	.1448	.1192	.1335	.3549-02	.2920-02	.3270-02	2.100	15.50	555.5
275	.40000	.30000	862.00	.1193	.9810-01	.1106	.2922-02	.2405-02	.2709-02	1.731	12.37	554.7
275	.40000	.40000	863.00	.9440-01	.7770-01	.8760-01	.2313-02	.1904-02	.2145-02	1.374	10.50	553.2
275	.40000	.60000	864.00	.6910-01	.5700-01	.6400-01	.1693-02	.1396-02	.1567-02	1.013	6.825	548.6

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(ISTO) BTU/ R FT2SEC	H(ISO) BTU/ R FT2SEC	H(TAM) BTU/ R FT2SEC	QOOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
275	.40000	.70000	865.00	.9410-01	.7750-01	.8730-01	.2306-02	.1900-02	.2138-02	1.375	9.253	550.7
275	.40000	.75000	866.00	.8250-01	.6800-01	.7680-01	.2032-02	.1666-02	.1883-02	1.208	8.949	549.5
275	.40000	.85000	867.00	.1014	.8360-01	.9600-01	.2485-02	.2148-02	.2351-02	1.483	11.16	550.5
275	.40000	.90000	868.00	.8380-01	.6910-01	.8070-01	.2073-02	.1693-02	.1978-02	1.228	10.49	549.2
275	.40000	.95000	869.00	.7450-01	.6140-01	.7230-01	.1826-02	.1506-02	.1772-02	1.095	8.854	547.5
275	.50000	.00000	871.00	.4826	.3337	.4294	.1182-01	.9647-02	.1052-01	6.679	54.06	582.3
275	.50000	.50000-01	872.00	.3465	.2841	.3076	.8489-02	.6960-02	.7537-02	4.926	37.41	566.8
275	.50000	.10000+00	873.00	.2143	.1763	.1954	.5252-02	.4320-02	.4788-02	3.104	22.91	556.0
275	.50000	.20000	874.00	.1467	.1208	.1355	.3594-02	.2959-02	.3320-02	2.134	15.27	553.3
275	.50000	.30000	875.00	.1111	.9150-01	.1029	.2722-02	.2242-02	.2520-02	1.621	11.60	551.8
275	.50000	.40000	876.00	.9610-01	.7930-01	.8910-01	.2356-02	.1941-02	.2183-02	1.404	10.05	551.1
275	.50000	.50000	877.00	.8360-01	.6890-01	.7760-01	.2049-02	.1689-02	.1902-02	1.224	8.499	549.7
275	.50000	.60000	878.00	.8050-01	.6640-01	.7490-01	.1974-02	.1628-02	.1835-02	1.183	9.234	547.6
275	.55000	.00000	879.00	.6193	.4398	.5470	.1519-01	.1222-01	.1340-01	7.972	65.71	622.3
275	.60000	.00000	880.00	.5742	.4530	.5073	.1477-01	.1134-01	.1243-01	7.462	66.81	616.8
275	.60000	.25000-01	881.00	.6327	.5339	.5835	.1673-01	.1357-01	.1445-01	9.171	68.55	598.9
275	.60000	.50000-01	882.00	.3765	.3342	.3742	.9226-02	.7528-02	.8189-02	5.211	49.51	582.4
275	.60000	.75000-01	883.00	.3529	.3133	.3463	.9322-02	.7677-02	.8487-02	5.386	39.42	573.0
275	.60000	.10000+00	884.00	.2879	.2366	.2635	.7055-02	.5797-02	.6456-02	4.142	29.53	560.1
275	.60000	.20000	885.00	.1785	.1470	.1652	.4373-02	.3602-02	.4049-02	2.602	18.62	552.2
275	.60000	.30000	886.00	.1543	.1269	.1427	.3780-02	.3110-02	.3438-02	2.238	15.02	555.1
275	.60000	.40000	887.00	.1337	.1101	.1236	.3277-02	.2637-02	.3030-02	1.941	13.44	554.7
275	.60000	.50000	888.00	.1207	.9940-01	.1119	.2957-02	.2435-02	.2742-02	1.761	12.21	551.5
275	.60000	.60000	889.00	.1093	.9060-01	.1020	.2692-02	.2219-02	.2498-02	1.609	11.17	549.6
275	.60000	.80000	891.00	.1100	.9770-01	.1041	.2695-02	.2222-02	.2551-02	1.611	11.93	549.7
275	.60000	.90000	892.00	.1185	.9770-01	.1127	.2904-02	.2394-02	.2761-02	1.740	12.69	547.8
275	.60000	.95000	893.00	.9760-01	.8050-01	.9420-01	.2390-02	.1972-02	.2308-02	1.437	10.85	545.8
275	.60000	.00000	894.00	.7430-01	.6140-01	.7220-01	.1821-02	.1504-02	.1768-02	1.100	8.312	543.0
275	.60000	.00000	895.00	.3633	.2961	.3231	.8902-02	.7256-02	.7917-02	5.002	41.99	585.3
275	.60000	.00000	896.00	.1510	.1239	.1348	.3693-02	.3036-02	.3393-02	2.158	28.00	563.8
275	.60000	.25000-01	897.00	.2405	.1976	.2091	.5894-02	.4841-02	.5123-02	3.435	31.79	561.0
275	.60000	.50000+00	898.00	.2575	.2118	.2353	.6310-02	.4810-02	.5193-02	3.724	25.76	557.0
275	.60000	.75000	899.00	.2102	.1732	.1940	.5150-02	.4243-02	.4753-02	3.070	18.93	551.1
275	.60000	.90000	901.00	.1658	.1391	.1565	.4135-02	.3408-02	.3834-02	2.469	15.24	550.0
275	.60000	.95000	902.00	.1467	.1225	.1379	.3644-02	.3003-02	.3378-02	2.174	13.79	550.5
275	.70000	.00000	903.00	.1383	.1139	.1283	.3308-02	.2791-02	.3143-02	2.020	12.82	550.8
275	.70000	.50000	904.00	.1144	.9440-01	.1102	.2894-02	.2313-02	.2701-02	1.684	12.09	546.7
275	.70000	.00000	905.00	.1717	.1417	.1538	.4207-02	.3471-02	.3759-02	2.531	20.13	545.4
275	.75000	.25000-01	906.00	.3261	.2670	.2823	.7932-02	.6543-02	.6917-02	4.600	36.10	571.5
275	.75000	.50000-01	907.00	.3351	.2752	.3034	.8212-02	.6744-02	.7360-02	4.807	35.38	561.7
275	.75000	.10000+00	908.00	.2883	.2359	.2632	.7053-02	.5804-02	.6450-02	4.151	28.67	559.5
275	.75000	.20000	909.00	.1931	.1591	.1783	.4731-02	.3937-02	.4369-02	2.821	19.57	550.8
275	.75000	.30000	909.00	.1675	.1381	.1551	.4104-02	.3384-02	.3800-02	2.457	15.61	548.4

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL21)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
275	.75000	.40000	910.00	.1431	.1179	.1325	.3505-02	.2890-02	.3246-02	2.097	13.70	549.0
275	.75000	.60000	911.00	.1323	.1091	.1228	.3242-02	.2672-02	.3009-02	1.939	13.06	548.9
275	.75000	.80000	912.00	.1410	.1161	.1333	.3455-02	.2845-02	.3267-02	2.053	6.87	552.9
275	.75000	.90000	913.00	.1210	.9980-01	.1165	.2965-02	.2446-02	.2855-02	1.783	13.01	545.7
275	.75000	.95000	914.00	.8720-01	.7200-01	.2335	.2137-02	.1764-02	.2072-02	1.289	9.739	543.7
275	.80000	.00000	915.00	.2618	.2144	.2335	.6415-02	.5253-02	.5721-02	3.696	33.84	571.1
275	.80000	.20000	916.00	.2103	.1733	.1943	.5152-02	.4245-02	.4761-02	2.133	21.33	550.7
275	.80000	.40000	917.00	.1516	.1249	.1402	.3714-02	.3060-02	.3435-02	3.073	15.88	550.3
275	.80000	.60000	918.00	.1322	.1050	.1272	.3240-02	.2671-02	.3117-02	1.941	14.15	548.1
275	.85000	.00000	919.00	.3020	.2475	.2695	.7400-02	.6066-02	.6603-02	4.286	33.70	568.0
275	.85000	.20000	920.00	.2086	.1718	.1923	.5112-02	.4210-02	.4713-02	3.043	21.78	551.9
275	.85000	.40000	921.00	.1692	.1394	.1563	.4145-02	.3415-02	.3830-02	2.471	18.29	551.0
275	.90000	.00000	922.00	.1703	.1403	.1524	.4173-02	.3438-02	.3735-02	2.487	19.71	551.2
275	.90000	.20000	923.00	.2298	.1893	.2107	.5631-02	.4638-02	.5164-02	3.355	24.82	551.3
275	.90000	.40000	924.00	.2069	.1704	.1903	.5071-02	.4175-02	.4664-02	3.012	21.55	553.2
275	.90000	.60000	925.00	.1940	.1598	.1790	.4753-02	.3916-02	.4397-02	2.833	20.28	551.2
275	.90000	.80000	926.00	.1640	.1352	.1517	.4019-02	.3312-02	.3718-02	2.399	17.18	550.3
275	.90000	.00000	927.00	.1630	.1343	.1539	.3995-02	.3291-02	.3771-02	2.379	18.53	551.5
275	.90000	.20000	928.00	.1240	.1023	.1196	.3039-02	.2506-02	.2931-02	1.820	14.45	548.5
275	.95000	.00000	929.00	.9000-01	.7440-01	.8070-01	.2205-02	.1824-02	.1973-02	1.346	10.03	536.7
275	.95000	.50000-01	930.00	.1461	.1206	.1316	.3581-02	.2855-02	.3225-02	2.156	15.49	545.1
275	.95000	.10000-00	931.00	.1648	.1359	.1505	.4039-02	.3331-02	.3657-02	2.422	17.95	547.7
275	.95000	.20000	932.00	.1920	.1583	.1771	.4705-02	.3978-02	.4339-02	2.811	19.51	549.9
275	.95000	.30000	933.00	.1916	.1579	.1770	.4695-02	.3869-02	.4338-02	2.798	20.04	551.2
275	.95000	.40000	934.00	.1378	.1136	.1276	.3377-02	.2784-02	.3128-02	2.021	14.97	548.8
275	.95000	.50000	935.00	.1833	.1509	.1711	.4491-02	.3636-02	.4193-02	2.662	20.00	554.3
275	.95000	.60000	936.00	.1670	.1377	.1588	.4093-02	.3374-02	.3890-02	2.448	18.13	549.0
275	.95000	.70000	937.00	.1107	.9140-01	.1067	.2713-02	.2239-02	.2614-02	1.635	12.34	544.6

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LOWER HING

OH-498 (AEDC V41B-57A) ORBITER LOWER HING

(RV1L21)

ALPHA = 40.00 BETA = .0000 ELEVTR = 5.000 SPDBRK = .0000
BOFLAP = .0000 MACH = 8.000

PARAMETRIC DATA

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
252	7.940	2.042	40.07	.0000	180.0	430.7	.4600-01	1287.	94.60	2.044	3784.	.4109-04
293	7.940	2.031	40.07	.0000	180.0	430.5	.4600-01	1292.	94.90	2.044	3790.	.4094-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
292	.7616-07	.3506-01	0.0175
293	.7641-07	.3507-01	.2847-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/PREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(I9TO) BTU/ R FT2SEC	H(I7O) BTU/ R FT2SEC	H(I7AH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	QTWOT DEG. R /SEC	TW DEG. R
293	.30000	.00000	845.00	.4270-01	.3530-01	.3830-01	1496-02	.1239-02	.1342-02	.9270	10.34	542.6
293	.30000	.5000-01	846.00	.1408	.1155	.1266	.4937-02	.4051-02	.4441-02	2.915	32.02	572.0
293	.30000	.1000-00	847.00	.1287	.1058	.1165	.4513-02	.3710-02	.4084-02	2.693	22.83	565.6
293	.30000	.20000	848.00	.1235	.1016	.1128	.4329-02	.3563-02	.3955-02	2.601	18.53	561.6
293	.30000	.40000	850.00	.7040-01	.5810-01	.6510-01	.2483-02	.2038-02	.2283-02	1.471	10.44	569.7
293	.30000	.50000	851.00	.6630-01	.5440-01	.6140-01	.2323-02	.1907-02	.2153-02	1.373	10.05	571.9
293	.30000	.60000	852.00	.7540-01	.6160-01	.6960-01	.2643-02	.2169-02	.2447-02	1.559	11.41	572.5
293	.30000	.70000	853.00	.9070-01	.7440-01	.8410-01	.3181-02	.2699-02	.2950-02	1.874	13.27	573.2
293	.30000	.80000	854.00	.1238	.1015	.1154	.4340-02	.3561-02	.4047-02	2.561	18.75	572.3
293	.30000	.90000	855.00	.1208	.1154	.1268	.4235-02	.3487-02	.4045-02	2.550	18.47	560.3
293	.30000	.00000	856.00	.1034	.1020-01	.1056	.3837-02	.3163-02	.3704-02	2.327	16.62	556.0
293	.30000	.00000	857.00	.1028	.0840-01	.0900-01	.3604-02	.2971-02	.3227-02	2.185	16.60	556.3
293	.30000	.00000	858.00	.1684	.1380	.1503	.5906-02	.4840-02	.5269-02	3.461	34.49	576.4
293	.40000	.5000-01	859.00	.3509	.2701	.2915	.1100-01	.9471-02	.1022-01	6.651	46.73	589.3
293	.40000	.1000-00	860.00	.2327	.1903	.2099	.8159-02	.6675-02	.7350-02	4.739	33.43	581.5
293	.40000	.20000	861.00	.1407	.1154	.1295	.4935-02	.4047-02	.4541-02	2.905	21.25	573.6
293	.40000	.30000	862.00	.1192	.0770-01	.1103	.4179-02	.3427-02	.3859-02	2.461	17.42	573.6
293	.40000	.40000	863.00	.1033	.0700-01	.0950-01	.3622-02	.2959-02	.3354-02	2.127	16.09	575.1
293	.40000	.50000	864.00	.1077	.0840-01	.0950-01	.3775-02	.3099-02	.3489-02	2.234	14.88	570.7

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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PUR NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(19TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TM DEG. R
293	40000	70000	865.00	.1350	.1108	.1250	.4734-02	.2385-02	.4384-02	2.799	18.64	571.1
293	40000	75000	866.00	.1245	.1023	.1158	.4368-02	.3587-02	.4062-02	2.591	19.00	569.1
293	40000	80000	867.00	.1539	.1264	.1455	.5398-02	.4432-02	.5102-02	3.198	23.84	570.0
293	40000	85000	868.00	.1353	.1112	.1302	.4745-02	.3899-02	.4567-02	2.827	23.95	566.7
293	40000	90000	869.00	.1266	.1042	.1229	.4441-02	.3654-02	.4310-02	2.662	21.36	567.0
293	50000	00000	871.00	.4753	.3556	.4217	.1669-01	.1352-01	.1479-01	9.202	73.44	611.0
293	50000	00000-01	872.00	.3321	.2706	.2937	.1165-01	.9491-02	.1030-01	6.622	49.62	593.8
293	50000	10000-00	873.00	.2114	.1732	.1933	.7413-02	.6072-02	.6745-02	4.337	31.68	577.3
293	50000	20000	874.00	.1448	.1189	.1336	.5077-02	.4168-02	.4684-02	3.008	21.34	563.8
293	50000	30000	875.00	.1152	.9470-01	.1066	.4041-02	.3320-02	.3737-02	2.402	17.05	568.1
293	50000	40000	876.00	.9340-01	.8160-01	.9200-01	.3485-02	.2360-02	.3225-02	2.062	14.62	570.7
293	50000	50000	877.00	.9340-01	.7670-01	.8650-01	.3275-02	.2688-02	.3034-02	1.938	13.31	570.7
293	50000	60000	878.00	.1119	.9200-01	.1939	.3934-02	.3227-02	.3644-02	2.347	19.16	564.2
293	50000	70000	879.00	.6096	.4843	.5338	.2138-01	.1699-01	.1872-01	10.67	86.25	663.2
293	60000	00000	880.00	.5747	.4579	.5042	.2015-01	.1606-01	.1768-01	10.20	89.64	656.1
293	60000	00000-01	881.00	.6864	.5516	.5987	.2497-01	.1934-01	.2084-01	12.73	93.52	633.7
293	60000	10000-01	882.00	.3768	.3052	.3229	.1321-01	.1070-01	.1168-01	7.269	68.06	599.6
293	60000	20000	883.00	.3819	.3106	.3444	.1339-01	.1089-01	.1208-01	7.537	54.44	583.5
293	60000	30000	884.00	.2814	.2301	.2569	.9839-02	.8069-02	.9010-02	5.714	40.26	583.5
293	60000	40000	885.00	.1793	.1472	.1658	.6289-02	.5161-02	.5814-02	3.715	26.33	571.7
293	60000	50000	886.00	.1576	.1293	.1456	.5236-02	.4534-02	.5138-02	3.261	21.71	572.2
293	60000	60000	887.00	.1359	.1123	.1264	.4600-02	.3938-02	.4432-02	2.832	19.43	572.5
293	60000	70000	888.00	.1222	.1003	.1130	.4286-02	.3519-02	.3959-02	2.540	17.46	569.7
293	60000	80000	889.00	.1171	.9200-01	.1095	.4107-02	.3374-02	.3806-02	2.444	16.82	567.3
293	60000	90000	891.00	.1595	.1302	.1498	.5555-02	.4566-02	.5294-02	3.301	24.21	568.5
293	60000	00000	892.00	.1670	.1373	.1587	.5895-02	.4814-02	.5554-02	3.495	25.26	565.5
293	60000	10000	893.00	.1470	.1210	.1418	.5154-02	.4242-02	.4974-02	3.095	23.16	561.9
293	60000	20000	894.00	.1225	.1010	.1190	.4297-02	.3542-02	.4171-02	2.603	19.54	556.6
293	60000	30000	895.00	.3541	.2859	.3138	.1242-01	.1006-01	.1101-01	6.851	56.79	610.7
293	60000	40000	896.00	.1534	.1255	.1367	.5379-02	.4422-02	.4795-02	3.127	40.23	581.1
293	60000	50000	897.00	.2436	.1996	.2113	.8543-02	.6938-02	.7410-02	4.986	45.60	577.7
293	60000	60000	898.00	.2571	.2108	.2345	.9016-02	.7320-02	.8224-02	5.298	36.32	574.8
293	60000	70000	899.00	.2022	.1600	.1663	.7639-02	.5920-02	.6533-02	4.198	25.63	570.3
293	60000	80000	900.00	.1649	.1355	.1527	.5782-02	.4751-02	.5355-02	4.41	21.05	567.3
293	60000	90000	901.00	.1496	.1229	.1395	.5247-02	.4310-02	.4838-02	3.116	19.59	568.5
293	60000	00000	902.00	.1417	.1164	.1314	.4970-02	.4083-02	.4606-02	2.953	18.57	568.3
293	60000	10000	903.00	.2562	.2103	.2465	.8834-02	.7376-02	.8646-02	5.324	37.77	569.8
293	60000	20000	904.00	.2049	.1687	.1834	.7185-02	.5918-02	.6430-02	4.330	34.18	559.8
293	60000	30000	905.00	.3228	.2632	.2786	.1132-01	.9210-02	.9768-02	6.461	50.20	591.6
293	60000	40000	906.00	.3331	.2727	.2981	.1168-01	.9554-02	.1045-01	6.814	49.72	579.2
293	60000	50000	907.00	.2892	.2351	.2628	.1011-01	.8281-02	.9217-02	5.915	40.50	577.2
293	60000	60000	908.00	.1964	.1613	.1811	.6806-02	.5656-02	.6351-02	4.087	28.10	568.9
293	60000	70000	909.00	.1644	.1351	.1520	.5764-02	.4738-02	.5330-02	3.439	21.65	565.8

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
293	.75000	.40000	910.00	.1438	.1181	.1330	.5043-02	.4141-02	.4663-02	2.993	19.37	568.9
293	.75000	.60000	911.00	.1383	.1137	.1282	.4851-02	.3987-02	.4497-02	2.894	19.32	565.8
293	.75000	.80000	912.00	.2657	.2177	.2509	.9319-02	.7636-02	.8798-02	5.460	44.33	576.5
293	.75000	.90000	913.00	.2730	.2244	.2627	.9575-02	.7871-02	.9213-02	5.712	41.26	565.9
293	.75000	.95000	914.00	.2207	.1815	.2138	.7738-02	.6354-02	.7497-02	4.626	34.58	564.6
293	.80000	.00000	915.00	.2008	.2128	.2321	.9147-02	.7462-02	.8139-02	5.232	47.45	590.5
293	.80000	.20000	916.00	.1998	.1640	.1843	.7008-02	.5751-02	.6464-02	4.141	28.43	571.5
293	.80000	.40000	917.00	.1484	.1218	.1370	.5204-02	.4271-02	.4805-02	3.077	21.82	571.1
293	.80000	.60000	918.00	.2895	.2376	.2783	.1015-01	.8333-02	.9758-02	6.006	43.28	570.8
293	.85000	.00000	919.00	.3026	.2472	.2695	.1061-01	.8670-02	.9450-02	6.118	47.67	585.9
293	.85000	.20000	920.00	.2027	.1663	.1865	.7107-02	.5831-02	.6541-02	4.198	29.75	571.8
293	.85000	.40000	921.00	.1663	.1364	.1534	.5832-02	.4783-02	.5378-02	3.435	25.14	573.4
293	.90000	.00000	922.00	.1670	.1374	.1494	.5857-02	.4819-02	.5238-02	3.510	27.66	563.1
293	.90000	.10000+00	923.00	.2172	.1785	.1990	.7617-02	.6260-02	.6978-02	4.538	33.32	566.7
293	.90000	.20000	924.00	.2070	.1699	.1901	.7258-02	.5957-02	.6667-02	4.290	30.41	571.3
293	.90000	.30000	925.00	.1904	.1563	.1755	.6678-02	.5480-02	.6153-02	3.946	27.97	571.6
293	.90000	.40000	926.00	.3170	.2594	.2986	.5665-02	.4648-02	.5230-02	3.343	23.68	572.3
293	.90000	.50000	927.00	.1615	.1325	.1491	.1112-01	.9097-02	.1047-01	6.473	49.70	580.0
293	.90000	.60000	928.00	.2833	.2324	.2729	.9335-02	.8149-02	.9571-02	5.854	45.90	573.3
293	.95000	.00000	929.00	.9060-01	.7500-01	.8130-01	.9376-02	.8149-02	.9571-02	1.972	14.66	541.6
293	.95000	.50000-01	930.00	.1465	.1209	.1320	.5139-02	.4241-02	.4628-02	3.136	22.44	552.2
293	.95000	.10000+00	931.00	.1648	.1358	.1504	.5780-02	.4761-02	.5274-02	3.488	25.70	559.1
293	.95000	.20000	932.00	.1742	.1432	.1605	.5108-02	.5022-02	.5627-02	3.649	25.14	565.0
293	.95000	.30000	933.00	.1827	.1501	.1686	.6407-02	.5262-02	.5912-02	3.804	27.00	568.7
293	.95000	.40000	934.00	.1314	.1080	.1216	.4608-02	.3789-02	.4263-02	2.751	20.21	565.4
293	.95000	.50000	935.00	.2736	.2240	.2549	.9594-02	.7856-02	.8939-02	5.600	41.56	578.7
293	.95000	.60000	936.00	.2974	.2440	.2823	.1043-01	.8556-02	.9901-02	6.150	45.01	572.8
293	.95000	.70000	937.00	.2320	.1908	.2234	.8135-02	.6692-02	.7833-02	4.874	36.45	563.3

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL21)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
320	7.990	2.943	40.11	.0000	180.0	676.4	7000-01	1348.	97.90	3.121	3873.	.5987-04
321	7.990	2.970	40.14	.0000	180.0	676.1	7000-01	1339.	97.30	3.120	3861.	.6023-04

RUN NUMBER	MU	HREF	BTU/ R FT2SEC	ST FR R =
320	.7881-07		.4366-01	0.0175
321	.7830-07		.4360-01	.2356-01

TEST DATA

RUN NUMBER	2V/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TU) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
321	.30000	.00000	845.00	.4380-01	.3630-01	.3940-01	.1912-02	.1585-02	.1718-02	1.241	13.75	555.8
321	.30000	.50000-01	846.00	.1394	.1143	.1253	.6079-02	.4982-02	.5463-02	3.697	40.11	596.8
321	.30000	.10000-00	847.00	.1262	.1037	.1142	.5505-02	.4324-02	.4979-02	3.398	28.49	587.7
321	.30000	.20000	848.00	.1220	.1004	.1114	.5319-02	.4378-02	.4858-02	3.316	23.39	581.5
321	.30000	.40000	850.00	.7560-01	.6200-01	.6950-01	.3297-02	.2705-02	.3030-02	2.016	14.13	593.7
321	.30000	.50000	851.00	.9860-01	.8070-01	.9120-01	.4298-02	.3521-02	.3977-02	2.607	18.84	598.5
321	.30000	.60000	852.00	.1572	.1287	.1454	.6656-02	.5610-02	.6339-02	4.134	29.83	602.0
321	.30000	.70000	853.00	.2149	.1755	.1968	.3369-02	.2761-02	.3359-02	5.586	38.87	608.9
321	.30000	.80000	854.00	.2620	.2136	.2436	.1142-01	.9315-02	.1062-01	6.758	48.49	613.4
321	.30000	.90000	855.00	.2131	.1749	.2033	.9292-02	.7625-02	.8865-02	5.693	40.59	592.4
321	.30000	.00000	856.00	.1868	.1536	.1802	.8145-02	.6898-02	.7856-02	5.049	35.55	585.1
321	.30000	.00000	857.00	.1032	.8510-01	.9250-01	.4499-02	.3712-02	.4032-02	2.841	23.99	573.6
321	.40000	.00000	858.00	.1720	.1408	.1534	.7501-02	.6139-02	.6609-02	4.528	44.56	601.4
321	.40000	.50000-01	859.00	.3399	.2766	.2988	.1482-01	.1206-01	.1303-01	8.669	59.99	620.2
321	.40000	.10000-00	860.00	.2401	.1959	.2162	.1047-01	.8544-02	.9428-02	6.225	43.29	610.3
321	.40000	.20000	861.00	.1542	.1262	.1477	.6724-02	.5504-02	.6180-02	4.063	29.33	600.8
321	.40000	.30000	862.00	.1491	.1220	.1379	.6503-02	.5321-02	.6012-02	3.919	27.35	602.5
321	.40000	.40000	863.00	.1503	.1311	.1482	.6988-02	.5715-02	.6462-02	4.201	31.33	603.8
321	.40000	.50000	864.00	.2466	.2017	.2275	.1075-01	.8796-02	.9918-02	6.478	42.48	602.5

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(RVIL21)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(OTO) BTU/R FT2SEC	H(TO) BTU/R FT2SEC	H(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
321	.40000	.70000	865.00	.2956	.2413	.2731	.1289-01	.1052-01	.1191-01	7.676	50.16	609.5
321	.40000	.75000	866.00	.2801	.2126	.2413	.1134-01	.9269-02	.1052-01	6.796	48.94	605.8
321	.40000	.85000	867.00	.2924	.2389	.2759	.1275-01	.9050-02	.1203-01	7.615	55.71	607.8
321	.40000	.90000	868.00	.2538	.2075	.2440	.1107-01	.8467-02	.1064-01	6.649	55.29	604.2
321	.40000	.95000	869.00	.2372	.1942	.2299	.1034-01	.7842-02	.1002-01	6.252	49.24	600.6
321	.50000	.00000	871.00	.4731	.3814	.4181	.2063-01	.6163-01	.1823-01	11.48	90.00	648.4
321	.50000	.50000-01	872.00	.3474	.2818	.3063	.1515-01	.5061-02	.1336-01	8.718	64.20	629.5
321	.50000	.10000+00	873.00	.2201	.1799	.2030	.9598-02	.7842-02	.8719-02	5.741	41.32	606.9
321	.50000	.20000	874.00	.1609	.1318	.1482	.7014-02	.5747-02	.6463-02	4.259	29.80	597.8
321	.50000	.30000	875.00	.1416	.1161	.1308	.6175-02	.5061-02	.5703-02	3.757	26.30	596.7
321	.50000	.40000	876.00	.1482	.1214	.1370	.6463-02	.5291-02	.5972-02	3.917	27.39	598.8
321	.50000	.60000	877.00	.1964	.1607	.1816	.8582-02	.7005-02	.7920-02	5.162	34.91	602.2
321	.50000	.90000	878.00	.2461	.2013	.2280	.1073-01	.8778-02	.9942-02	6.462	49.05	602.9
321	.55000	.00000	879.00	.5859	.4604	.5099	.2505-01	.2008-01	.2223-01	12.55	99.06	713.7
321	.60000	.00000	880.00	.5750	.4530	.5011	.2507-01	.1975-01	.2185-01	12.47	106.9	707.7
321	.60000	.25000-01	881.00	.6897	.5482	.5867	.3007-01	.2390-01	.2558-01	15.61	111.9	686.1
321	.60000	.50000-01	882.00	.3834	.3077	.3368	.1672-01	.1342-01	.1469-01	9.100	83.24	660.7
321	.60000	.75000-01	883.00	.3912	.3158	.3513	.1705-01	.1377-01	.1532-01	9.566	87.61	644.2
321	.60000	.10000+00	884.00	.2913	.2394	.2679	.1283-01	.1044-01	.1168-01	7.489	51.80	621.4
321	.60000	.20000	885.00	.1918	.1569	.1770	.8364-02	.6843-02	.7720-02	5.040	35.18	602.5
321	.60000	.30000	886.00	.1778	.1455	.1641	.7753-02	.6342-02	.7155-02	4.666	30.58	603.3
321	.60000	.40000	887.00	.1597	.1307	.1472	.6959-02	.5697-02	.6420-02	4.192	28.34	603.2
321	.60000	.50000	888.00	.1596	.1307	.1476	.6959-02	.5697-02	.6420-02	4.212	28.52	599.8
321	.60000	.60000	889.00	.1616	.1325	.1496	.7048-02	.5776-02	.6524-02	4.285	29.06	597.1
321	.60000	.80000	891.00	.2705	.2212	.2553	.1180-01	.9546-02	.1113-01	7.084	51.05	604.5
321	.60000	.85000	892.00	.3117	.2549	.2957	.1359-01	.1111-01	.1289-01	8.162	57.85	604.6
321	.60000	.90000	893.00	.3015	.2467	.2906	.1315-01	.1076-01	.1267-01	7.928	58.16	602.1
321	.60000	.95000	894.00	.2576	.2113	.2498	.1123-01	.9214-02	.1089-01	6.864	50.56	594.0
321	.70000	.00000	895.00	.3514	.2835	.3107	.1532-01	.1236-01	.1355-01	8.565	69.79	646.1
321	.70000	.25000-01	896.00	.1299	.1299	.1416	.5934-02	.5663-02	.6175-02	4.134	52.45	608.9
321	.70000	.50000	897.00	.2820	.2057	.2180	.1099-01	.8970-02	.9505-02	6.541	58.76	609.8
321	.70000	.75000	898.00	.2594	.2114	.2359	.9746-02	.7970-02	.1029-01	6.672	44.83	615.3
321	.70000	.85000	899.00	.2235	.1828	.2056	.7449-02	.6102-02	.8963-02	5.855	35.16	604.3
321	.70000	.90000	900.00	.1836	.1504	.1697	.8004-02	.6558-02	.7401-02	4.861	29.29	597.7
321	.70000	.95000	901.00	.1708	.1399	.1580	.7449-02	.6102-02	.6887-02	4.519	28.00	598.3
321	.70000	.00000	902.00	.1725	.1413	.1596	.7521-02	.6160-02	.6960-02	4.559	28.23	599.0
321	.70000	.30000	903.00	.3424	.2797	.3231	.1493-01	.1220-01	.1435-01	8.919	62.10	607.7
321	.70000	.60000	904.00	.2442	.1839	.2002	.9774-02	.8020-02	.8729-02	5.984	46.46	592.9
321	.75000	.25000-01	905.00	.2693	.2693	.2892	.1446-01	.1174-01	.1244-01	8.351	63.75	627.6
321	.75000	.50000	906.00	.3328	.2708	.2966	.1451-01	.1181-01	.1293-01	8.492	60.73	619.8
321	.75000	.75000	907.00	.2940	.2392	.2671	.1282-01	.1043-01	.1165-01	7.489	50.19	620.9
321	.75000	.00000	908.00	.2173	.1776	.1999	.9476-02	.7742-02	.8718-02	5.665	38.22	607.2
321	.75000	.30000	909.00	.1812	.1485	.1673	.7901-02	.6475-02	.7294-02	4.803	29.77	597.1

(RV1121)

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAN)	H(90) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
321	.75000	.40000	910.00	.1619	.1326	.1495	.7061-02	.5784-02	.6520-02	4.281	27.29	598.9
321	.75000	.60000	911.00	.1653	.1356	.1531	.7210-02	.5911-02	.6674-02	4.393	28.90	595.8
321	.75000	.80000	912.00	.3985	.3243	.3754	.1738-01	.1414-01	.1637-01	10.16	80.68	620.6
321	.75000	.90000	913.00	.3472	.2842	.3337	.1514-01	.1239-01	.1455-01	9.136	64.85	601.6
321	.75000	.95000	914.00	.2703	.2217	.2620	.1181-01	.9667-02	.1143-01	7.145	52.48	599.9
321	.80000	.00000	915.00	.2683	.2179	.2381	.1170-01	.9499-02	.1038-01	6.767	60.29	626.6
321	.80000	.20000	916.00	.2224	.1815	.2046	.9697-02	.7913-02	.8920-02	5.760	38.79	611.1
321	.80000	.40000	917.00	.1670	.1366	.1540	.7283-02	.5957-02	.6713-02	4.380	30.56	603.7
321	.80000	.60000	918.00	.3617	.2952	.3472	.1577-01	.1287-01	.1514-01	9.378	66.27	610.5
321	.85000	.00000	919.00	.3078	.2504	.2735	.1342-01	.1092-01	.1193-01	7.847	60.12	620.3
321	.85000	.20000	920.00	.2225	.1814	.2041	.9701-02	.7910-02	.8900-02	5.736	39.82	63.8
321	.85000	.40000	921.00	.1875	.1531	.1725	.8177-02	.6674-02	.7523-02	4.864	34.95	610.2
321	.90000	.00000	922.00	.1706	.1402	.1525	.7439-02	.6113-02	.9176-02	4.596	35.79	587.1
321	.90000	.10000+00	923.00	.2303	.1884	.2104	.1004-01	.8213-02	.9176-02	6.037	43.51	603.9
321	.90000	.20000	924.00	.2234	.1821	.2045	.9741-02	.7942-02	.8917-02	5.756	39.95	614.2
321	.90000	.30000	925.00	.2066	.1685	.1898	.9009-02	.7348-02	.8276-02	5.339	37.09	612.4
321	.90000	.50000	926.00	.1864	.1523	.1717	.8129-02	.6639-02	.7489-02	4.851	33.76	608.3
321	.90000	.80000	927.00	.4250	.3453	.3993	.1653-01	.1506-01	.1741-01	10.76	80.80	624.6
321	.90000	.90000	928.00	.3387	.2763	.3258	.1477-01	.1205-01	.1420-01	8.754	67.33	612.3
321	.95000	.00000	929.00	.9570-01	.8020-01	.8690-01	.4217-02	.3495-02	.3789-02	2.734	20.17	556.7
321	.95000	.50000-01	930.00	.1513	.1248	.1362	.6588-02	.5440-02	.5938-02	4.150	29.34	576.2
321	.95000	.10000+00	931.00	.1713	.1407	.1560	.7469-02	.6135-02	.6803-02	4.601	33.41	599.1
321	.95000	.20000	932.00	.1930	.1580	.1774	.8416-02	.6830-02	.7736-02	5.090	34.46	600.3
321	.95000	.30000	933.00	.1956	.1598	.1801	.8530-02	.6970-02	.7851-02	5.102	35.53	607.0
321	.95000	.50000	934.00	.1411	.1156	.1303	.6153-02	.5040-02	.5682-02	3.730	26.95	598.9
321	.95000	.70000	935.00	.3259	.3139	.3585	.1683-01	.1369-01	.1563-01	9.818	71.35	621.5
321	.95000	.80000	936.00	.3994	.3257	.3784	.1742-01	.1420-01	.1650-01	10.30	73.87	613.8
321	.95000	.90000	937.00	.2920	.2392	.2608	.1273-01	.1043-01	.1224-01	7.714	56.67	599.2

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1121)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RH/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
314	8.000	3.768	40.08	.0000	180.0	860.9	.8800-01	1339.	97.00	3.950	3862.	.7624-04
315	8.000	3.756	40.09	.0000	180.0	858.5	.8800-01	1340.	97.10	3.939	3862.	.7600-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
314	.7813-07	.4907-01	0.0175
315	.7816-07	.4900-01	.2097-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
315	.30000	.00000	845.00	.4410-01	.3650-01	.3960-01	.2160-02	.1789-02	.1940-02	1.397	15.45	558.6
315	.30000	.50000-01	846.00	.1358	.1110	.1219	.6656-02	.5440-02	.5973-02	3.989	43.08	606.3
315	.30000	.10000+00	847.00	.1233	.1003	.1105	.5993-02	.4913-02	.5415-02	3.655	30.52	595.7
315	.30000	.20000	848.00	.1231	.1011	.1123	.6030-02	.4954-02	.5503-02	3.719	26.13	589.0
315	.30000	.40000	850.00	.9330-01	.7640-01	.8570-01	.4573-02	.3742-02	.4199-02	2.758	19.25	602.6
315	.30000	.50000	851.00	.1615	.1317	.1492	.7913-02	.6453-02	.7311-02	4.686	32.62	613.4
315	.30000	.60000	852.00	.2457	.1959	.2267	.1204-01	.9797-02	.1111-01	7.042	50.34	620.9
315	.30000	.70000	853.00	.3149	.2553	.2906	.1543-01	.1251-01	.1424-01	8.857	60.95	631.7
315	.30000	.80000	854.00	.3401	.2755	.3156	.1667-01	.1350-01	.1546-01	9.520	67.60	634.5
315	.30000	.90000	855.00	.2463	.2014	.2349	.1207-01	.9857-02	.1151-01	7.242	51.30	605.7
315	.30000	.95000	856.00	.2090	.1713	.2015	.1024-01	.8393-02	.9874-02	6.232	43.62	597.1
315	.30000	.99000	857.00	.1077	.8970-01	.9640-01	.5276-02	.4346-02	.4722-02	3.304	27.82	579.3
315	.40000	.00000	858.00	.1783	.1456	.1588	.8739-02	.7133-02	.7779-02	5.200	50.95	610.6
315	.40000	.50000-01	859.00	.3460	.2805	.3034	.1693-01	.1374-01	.1487-01	9.715	66.82	632.7
315	.40000	.10000+00	860.00	.2564	.2085	.2305	.1255-01	.1022-01	.1130-01	7.334	50.71	621.9
315	.40000	.20000	861.00	.1758	.1434	.1614	.8617-02	.7029-02	.7909-02	5.110	36.68	612.6
315	.40000	.30000	862.00	.2006	.1634	.1852	.9828-02	.8007-02	.9073-02	5.788	40.12	616.8
315	.40000	.40000	863.00	.2460	.2001	.2271	.1206-01	.9807-02	.1113-01	7.044	52.08	621.4
315	.40000	.50000	864.00	.3482	.2832	.3205	.1706-01	.1398-01	.1570-01	9.957	64.67	622.1

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(RVIL21)

AEDC VKF V41B-57A (OH-498) COLLATION DEUX

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	21/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
315	40000	70000	865.00	3726	3022	3433	.1826-01	.1481-01	.1682-01	10.50	67.92	630.5
315	40000	75000	866.00	3341	2715	3094	.1637-01	.1330-01	.1516-01	9.505	67.81	625.1
315	40000	80000	867.00	3361	2731	3167	.1647-01	.1338-01	.1552-01	9.568	69.42	624.8
315	40000	85000	868.00	2857	2325	2744	.1470-01	.1139-01	.1344-01	8.197	67.64	620.1
315	40000	90000	869.00	2659	2167	2576	.1303-01	.1052-01	.1262-01	7.677	60.00	616.5
315	50000	00000	871.00	4798	3849	4227	.2351-01	.1886-01	.2071-01	12.78	99.57	661.8
315	50000	50000-01	872.00	3559	2874	3129	.1744-01	.1408-01	.1533-01	9.802	71.70	643.5
315	50000	10000+00	873.00	2347	1911	2129	.1150-01	.9362-02	.1043-01	6.747	48.27	619.0
315	50000	20000	874.00	1634	1497	1688	.8325-02	.7337-02	.8270-02	5.356	37.26	639.7
315	50000	30000	875.00	1681	1536	1735	.9219-02	.7526-02	.8502-02	5.491	38.18	610.1
315	50000	40000	876.00	2168	1768	2001	.1063-01	.8662-02	.9805-02	6.279	43.57	614.7
315	50000	50000	877.00	3033	2467	2799	.1466-01	1.209-01	1.372-01	8.673	58.09	622.1
315	50000	60000	878.00	2996	2436	2770	.1468-01	1.194-01	1.357-01	8.554	64.30	623.1
315	50000	70000	879.00	5832	4544	5348	.2858-01	.2227-01	.2473-01	13.51	105.7	736.9
315	60000	00000	880.00	5761	4498	4933	.2823-01	.2204-01	.2446-01	13.47	114.4	728.4
315	60000	00000	881.00	6647	5392	5786	.3353-01	.2642-01	.2835-01	16.67	118.2	708.9
315	60000	25000-01	882.00	4014	3197	3510	.1967-01	.1566-01	.1720-01	10.31	93.41	681.3
315	60000	50000-01	883.00	4108	3295	3677	.2013-01	.1615-01	.1802-01	10.93	76.58	662.7
315	60000	75000-01	884.00	3133	2536	2846	.1535-01	.1243-01	.1395-01	8.744	60.05	636.1
315	60000	10000+00	885.00	2124	1731	1957	.1041-01	.8482-02	.9591-02	6.132	42.63	615.2
315	60000	20000	886.00	2126	1732	1959	.1042-01	.8468-02	.9501-02	6.132	39.92	617.2
315	60000	30000	887.00	2073	1678	1908	.1016-01	.8271-02	.9347-02	5.967	40.04	618.3
315	60000	40000	888.00	2095	1708	1934	.1026-01	.8370-02	.9479-02	6.372	40.83	614.1
315	60000	50000	889.00	2274	1856	2102	.1114-01	.9392-02	.1030-01	6.619	44.56	611.7
315	60000	60000	890.00	3353	2728	3160	.1643-01	1.337-01	.1549-01	9.608	68.68	620.9
315	60000	70000	891.00	3703	3014	3508	.1815-01	.1477-01	.1719-01	10.62	74.73	620.1
315	60000	80000	892.00	3339	2722	3216	.1636-01	1.334-01	.1576-01	9.659	70.41	615.4
315	60000	90000	893.00	2788	2279	2702	.1366-01	1.117-01	.1324-01	8.199	60.05	605.6
315	60000	00000	894.00	3556	2856	3135	.1742-01	.1339-01	.1536-01	9.529	77.17	658.8
315	70000	00000	895.00	1627	1324	1446	.7972-02	.6488-02	.7084-02	4.669	58.92	620.1
315	70000	25000-01	897.00	2575	2033	2221	.1252-01	1.026-01	1.088-01	7.333	65.41	624.6
315	70000	50000+00	899.00	2796	2268	2537	.1370-01	1.111-01	.1243-01	7.878	52.55	630.7
315	70000	75000	900.00	2500	2035	2295	.1225-01	.9974-02	.1125-01	7.197	42.93	618.1
315	70000	00000	901.00	2080	1697	1920	.1019-01	.8317-02	.9410-02	6.063	36.30	610.6
315	70000	30000	902.00	2026	1653	1871	.9228-02	.8100-02	.9166-02	5.896	36.28	611.8
315	70000	40000	903.00	2193	1789	2027	.1075-01	.8765-02	.9930-02	6.367	39.16	613.3
315	70000	50000	904.00	3572	2987	3527	.1793-01	1.464-01	1.728-01	10.51	72.70	621.4
315	70000	60000	905.00	2456	2007	2189	.1203-01	.9835-02	.1072-01	7.207	55.58	606.8
315	70000	75000-01	906.00	3359	2712	2878	.1646-01	1.329-01	.1410-01	9.252	70.09	643.5
315	70000	00000	907.00	3294	2739	3007	.1658-01	1.342-01	.1473-01	9.424	66.83	637.3
315	75000	50000-01	908.00	3165	2561	2669	.1551-01	1.255-01	.1406-01	8.808	58.55	637.8
315	75000	10000+00	909.00	3165	2561	2669	.1551-01	1.255-01	.1406-01	8.808	58.55	637.8
315	75000	20000	910.00	2353	1915	2161	.1153-01	.9392-02	.1059-01	6.741	45.17	621.1
315	75000	30000	909.00	2054	1677	1893	.1006-01	.8215-02	.9277-02	5.992	36.91	610.2

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OH-498 (AEDC W41B-57A) ORBITER LOWER WING

(RV1L21)

RUN NUMBER	2Y/B	X/C	T/C NC	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DT/ADT DEG. R /SEC	TH DEG. R
315	75000	40000	910.00	.1972	.1608	.1818	.9661-02	.7881-02	.8907-02	5.728	36.28	612.8
315	75000	60000	911.00	.1966	.1605	.1817	.9631-02	.7854-02	.8903-02	5.742	37.53	609.5
315	75000	80000	912.00	.4445	.3597	.4180	.2178-01	.1762-01	.2048-01	12.38	77.53	637.4
315	75000	90000	913.00	.3798	.3096	.3647	.1461-01	.1517-01	.1787-01	11.00	77.53	614.8
315	75000	95000	914.00	.2322	.2385	.2027	.1432-01	.1168-01	.1385-01	8.477	61.85	613.6
315	80000	00000	915.00	.2739	.2213	.2424	.1342-01	.1084-01	.1188-01	7.564	46.90	642.1
315	80000	20000	916.00	.2526	.2051	.2319	.1233-01	.1005-01	.1136-01	7.162	47.65	627.0
315	80000	40000	917.00	.2001	.1629	.1841	.9802-02	.7981-02	.9020-02	5.753	39.84	618.8
315	80000	90000	918.00	.3902	.3169	.3742	.1912-01	.1553-01	.1833-01	11.08	77.69	626.2
315	85000	00000	919.00	.3178	.2574	.2816	.1557-01	.1261-01	.1380-01	8.899	67.73	634.1
315	85000	20000	920.00	.2477	.2009	.2268	.1214-01	.9845-02	.1111-01	6.981	48.07	620.5
315	85000	40000	921.00	.2168	.1761	.1991	.1063-01	.8628-02	.9755-02	6.150	43.84	626.9
315	85000	60000	922.00	.1740	.1427	.1553	.8527-02	.6991-02	.7611-02	5.201	40.33	595.7
315	85000	80000	923.00	.2467	.2009	.2250	.1209-01	.9344-02	.1103-01	7.102	50.84	618.2
315	90000	20000	924.00	.2514	.2039	.2296	.1232-01	.9330-02	.1125-01	7.079	48.73	631.0
315	90000	30000	925.00	.2422	.1955	.2220	.1187-01	.9629-02	.1038-01	6.836	47.09	629.7
315	90000	50000	926.00	.2224	.1807	.2044	.1090-01	.8853-02	.1002-01	6.323	43.65	625.4
315	90000	80000	927.00	.4676	.3778	.4387	.2291-01	.1951-01	.2150-01	12.91	96.11	642.4
315	90000	90000	928.00	.3742	.3037	.3596	.1834-01	.1488-01	.1762-01	10.59	80.82	628.1
315	95000	00000	929.00	.9350-01	.8160-01	.8850-01	.4829-02	.3998-02	.4335-02	3.110	22.89	561.6
315	95000	50000	930.00	.1665	.1370	.1497	.8158-02	.6711-02	.7334-02	5.069	35.70	584.3
315	95000	10000	931.00	.1839	.1506	.1672	.9009-02	.7377-02	.8135-02	5.455	39.39	600.2
315	95000	20000	932.00	.2125	.1732	.1950	.1041-01	.8489-02	.9355-02	6.154	41.37	614.7
315	95000	30000	933.00	.2242	.1823	.2060	.1099-01	.7932-02	.1009-01	6.398	44.20	623.4
315	95000	50000	934.00	.1673	.1364	.1542	.8200-02	.6685-02	.7558-02	4.849	34.74	614.3
315	95000	70000	935.00	.4534	.3663	.4202	.2222-01	.1795-01	.2059-01	12.51	90.04	642.3
315	95000	80000	936.00	.4354	.3531	.4119	.2133-01	.1730-01	.2018-01	12.25	87.16	631.2
315	95000	90000	937.00	.3179	.2593	.3035	.1558-01	.1270-01	.1497-01	9.223	67.28	613.7

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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LOK_9 WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL22)

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TC DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
252	7.900	19.53	.0000	180.0	108.8	1200-01	1255.	93.10	.5280	3735.	.1090-04
253	7.900	19.97	.0000	180.0	109.3	1200-01	1254.	93.00	.5310	3733.	.1096-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =
252	7494-07	.1774-01	.5501-01
253	7489-07	.1778-01	.5486-01

TEST DATA

RUN NUMBER	2V/B	X/C	T/C NO	H/HREF R=0.5	H/HREF R=1.0	H/HREF (TAN)	H(910) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	QDOT DEG. R /SEC	TH DEG. R
253	30000	.0000	845.00	.4050-01	.3340-01	.3410-01	.7203-03	.5939-03	.5939-03	.6069-03	.4250	4.741	539.2
253	30000	.5000-01	845.00	.1057	.8590-01	.1039	.1630-02	.1546-02	.1546-02	.1847-02	1.092	12.15	547.5
253	30000	.1000+00	847.00	.9220-01	.7590-01	.9110-01	.1639-02	.1350-02	.1350-02	.1810-02	.9580	8.205	544.4
253	30000	.2000	848.00	.6050-01	.6640-01	.8040-01	.1433-02	.1181-02	.1181-02	.1430-02	.8420	6.056	541.5
253	30000	.4000	850.00	.5150-01	.4270-01	.5210-01	.9212-03	.7591-03	.7591-03	.9253-03	.5410	3.893	541.5
253	30000	.5000	851.00	.4110-01	.3330-01	.4160-01	.7311-03	.6025-03	.6025-03	.7405-03	.4300	3.195	541.0
253	30000	.6000	852.00	.3740-01	.3080-01	.3780-01	.6644-03	.5477-03	.5477-03	.6727-03	.3910	2.909	540.2
253	30000	.7000	853.00	.3520-01	.2900-01	.3570-01	.6256-03	.5158-03	.5158-03	.6343-03	.3690	2.655	539.4
253	30000	.8000	854.00	.3250-01	.2590-01	.3330-01	.5805-03	.4789-03	.4789-03	.5316-03	.3430	2.554	538.1
253	30000	.9000	855.00	.2790-01	.2300-01	.2930-01	.4955-03	.4031-03	.4031-03	.5149-03	.2940	2.157	535.3
253	30000	.0000	856.00	.2440-01	.2020-01	.2560-01	.4340-03	.3564-03	.3564-03	.4545-03	.2580	1.863	534.3
253	30000	.0000	857.00	.9320-01	.7620-01	.7840-01	.1657-02	.1364-02	.1364-02	.1334-02	.9670	8.283	544.9
253	30000	.0000	858.00	.2682	.1707	.1745	.3701-02	.3035-02	.3035-02	.3103-02	2.113	21.24	557.9
253	30000	.5000-01	859.00	.3456	.2835	.3327	.6146-02	.5041-02	.5041-02	.5916-02	3.515	25.10	556.8
253	30000	.1000+00	860.00	.1950	.1603	.1326	.3468-02	.2850-02	.2850-02	.3424-02	2.003	14.39	549.6
253	30000	.2000	861.00	.9380-01	.7720-01	.9440-01	.1668-02	.1374-02	.1374-02	.1676-02	.9710	7.236	544.5
253	30000	.3000	862.00	.7400-01	.6090-01	.7490-01	.1315-02	.1084-02	.1084-02	.1332-02	.7710	5.542	542.8
253	30000	.4000	863.00	.5790-01	.4770-01	.5870-01	.1030-02	.6486-03	.6486-03	.1043-02	.6050	4.650	541.7
253	30000	.5000	864.00	.5610-01	.4630-01	.5670-01	.9977-03	.0227-03	.0227-03	.1008-02	.5680	3.983	536.9

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AEDC VKF V41B-57A (OH-49B) COLLATION PECK

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(RVIL22)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(19TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW UEG. R
253	40000	70000	865.00	5900-01	4660-01	5970-01	1049-02	8650-03	1062-02	6180	4.184	539.3
253	40000	75000	866.00	4930-01	4070-01	5010-01	8772-03	7234-03	8913-03	5170	3.853	538.7
253	40000	85000	867.00	5750-01	4740-01	5920-01	1022-02	8427-03	1053-02	6040	4.573	537.8
253	40000	90000	868.00	4670-01	3850-01	4880-01	8305-03	6853-03	8685-03	4920	4.228	536.7
253	40000	95000	869.00	3690-01	3050-01	3880-01	6564-03	5417-03	6903-03	3890	3.163	536.2
253	50000	00000	871.00	5782	4699	4809	1028-01	8356-02	8551-02	5597	45.26	584.2
253	50000	50000-01	872.00	2596	2458	2901	5327-02	4371-02	5159-02	3056	23.35	555.0
253	50000	10000-00	873.00	1625	1337	1618	2890-02	2377-02	2878-02	1.681	12.46	547.0
253	50000	20000	874.00	1195	9840-01	1206	2126-02	1750-02	2144-02	1.244	8.945	543.3
253	50000	30000	875.00	1033	8510-01	1044	1837-02	1513-02	1857-02	1.075	7.726	543.6
253	50000	40000	876.00	8960-01	7380-01	9070-01	1593-02	1312-02	1612-02	9340	6.715	542.6
253	50000	50000	877.00	7470-01	6150-01	7550-01	1328-02	1094-02	1345-02	7810	5.447	540.4
253	50000	60000	878.00	4800-01	3560-01	4870-01	8329-03	7038-03	8652-03	5050	3.962	536.7
253	55000	00000	879.00	5828	4707	4820	1035-01	8370-02	8571-02	5.456	45.42	602.2
253	60000	00000	880.00	4140	3359	3438	7362-02	5973-02	6113-02	3.969	36.01	589.7
253	60000	25000-01	881.00	4651	3796	4285	8270-02	6750-02	7797-02	4.605	34.88	571.9
253	60000	50000-01	882.00	2535	2078	2463	4510-02	3635-02	4381-02	2.564	24.64	560.1
253	60000	75000-01	883.00	2496	2049	2472	4439-02	3644-02	4396-02	2.551	18.85	553.9
253	60000	10000-00	884.00	1789	1472	1790	3182-02	2617-02	3182-02	1.847	13.25	548.0
253	60000	20000	885.00	8510 01	7010-01	8600-01	1513-02	1247-02	1530-02	8900	6.406	540.7
253	60000	30000	886.00	6610-01	5610-01	6680-01	1211-02	9980-03	1223-02	7130	4.823	539.7
253	60000	40000	887.00	5940-01	4830-01	5990-01	1055-02	8702-03	1066-02	6210	4.334	540.0
253	60000	50000	888.00	6140-01	5060-01	6210-01	1091-02	8992-03	1105-02	6430	4.489	539.2
253	60000	60000	889.00	5820-01	4800-01	5890-01	1034-02	8531-03	1048-02	6100	4.262	539.4
253	60000	80000	891.00	5370-01	4430-01	5540-01	9550-03	879-03	9845-03	5650	4.207	537.4
253	60000	85000	892.00	6110-01	5040-01	5320-01	1086-02	8961-03	1124-02	6430	4.714	536.6
253	60000	90000	893.00	4870-01	4020-01	5100-01	8560-03	7149-03	9070-03	5140	3.896	535.5
253	60000	95000	894.00	3630-01	3000-01	3820-01	6452-03	5329-03	6784-03	3840	2.913	533.9
253	65000	00000	895.00	3573	2908	2975	6553-02	5171-02	5291-02	3.485	29.33	580.1
253	70000	00000	896.00	1857	1525	1559	3320-02	2711-02	2773-02	1.854	23.98	570.2
253	70000	25000-01	897.00	2321	1904	2185	4127-02	3387-02	3695-02	2.366	21.84	555.3
253	70000	10000-00	898.00	1583	1303	1590	2815-02	2317-02	2910-02	1.640	11.41	546.0
253	70000	20000	899.00	1058	8720-01	1066	1881-02	1550-02	1833-02	1.104	6.840	541.7
253	70000	30000	900.00	8140-01	6720-01	8240-01	1448-02	1194-02	1465-02	8540	5.295	538.9
253	70000	40000	901.00	3180-01	7560-01	9290-01	1632-02	1345-02	1651-02	9600	6.121	540.4
253	70000	50000	902.00	1013	8350-01	1226	1801-02	1485-02	1824-02	1.059	6.752	540.7
253	70000	60000	903.00	5000-01	4130-01	5240-01	8596-03	7352-03	9312-03	5280	3.812	535.6
253	75000	00000	904.00	2340	1964	2008	4251-02	3492-02	3570-02	2.455	19.46	551.1
253	75000	25000-01	905.00	798	3101	3561	6754-02	5514-02	6332-02	3.767	29.57	571.0
253	75000	50000	906.00	2876	2362	2813	5114-02	2894-02	5002-02	2.948	21.80	552.2
253	75000	75000	907.00	1979	1628	1975	3519-02	2894-02	3512-02	2.043	14.19	548.2
253	75000	10000-00	908.00	160	8740-01	1069	1886-02	1554-02	1901-02	1.108	7.722	541.3
253	75000	20000	909.00	7650-01	6310-01	7730-01	1360-02	1122-02	1374-02	.8030	5.130	538.0

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
253	.75000	.40000	910.00	.6670-01	.5500-01	.6740-01	.1187-02	.9788-03	.1199-02	.7010	4.607	538.0
253	.75000	.60000	911.00	.6030-01	.4970-01	.6100-01	.1072-02	.8843-03	.1085-02	.6350	4.302	536.3
253	.75000	.80000	912.00	.8750-01	.7210-01	.9010-01	.1552-02	.1282-02	.1603-02	.9160	7.572	539.8
253	.75000	.90000	913.00	.7310-01	.6030-01	.7640-01	.1300-02	.1073-02	.1359-02	.7710	5.652	535.9
253	.75000	.95000	914.00	.4830-01	.3990-01	.5070-01	.8589-03	.7091-03	.9021-03	.5100	3.868	535.0
253	.80000	.00000	915.00	.3533	.2879	.2945	.6282-02	.5119-02	.5237-02	3.467	31.66	576.7
253	.80000	.20000	916.00	.1379	.1137	.1391	.2453-02	.2021-02	.2474-02	1.440	10.04	541.4
253	.80000	.40000	917.00	.8510-01	.7020-01	.8600-01	.1514-02	.1248-02	.1528-02	.8920	6.426	539.5
253	.85000	.90000	918.00	.4500-01	.3720-01	.4700-01	.8008-03	.6613-03	.8366-03	4.760	3.492	534.5
253	.85000	.00000	919.00	.4183	.3408	.3487	.7438-02	.6061-02	.6201-02	4.104	32.12	578.9
253	.85000	.20000	920.00	.1363	.1123	.1372	.2424-02	.1997-02	.2440-02	1.419	10.20	543.3
253	.85000	.40000	921.00	.9770-01	.8060-01	.9860-01	.1738-02	.1433-02	.1753-02	1.022	7.602	540.7
253	.90000	.00000	922.00	.2575	.2110	.2157	.4579-02	.3752-02	.3836-02	2.605	20.56	559.8
253	.90000	.10000+00	923.00	.1934	.1591	.1936	.3438-02	.2829-02	.3443-02	2.001	14.84	546.8
253	.90000	.20000	924.00	.1430	.1178	.1436	.2543-02	.2094-02	.2554-02	1.488	10.70	543.4
253	.90000	.30000	925.00	.1246	.1027	.1256	.2216-02	.1826-02	.2233-02	1.300	9.356	541.8
253	.90000	.50000	926.00	.9640-01	.7940-01	.9730-01	.1713-02	.1413-02	.1730-02	1.009	7.262	540.1
253	.90000	.80000	927.00	.8330-01	.6870-01	.8570-01	.1481-02	.1222-02	.1524-02	.8740	6.853	538.4
253	.90000	.90000	928.00	.6530-01	.5390-01	.6830-01	.1161-02	.9578-03	.1215-02	.6870	5.490	536.4
253	.95000	.00000	929.00	.1585	.1304	.1333	.2818-02	.2319-02	.2370-02	1.642	12.18	545.9
253	.95000	.50000-01	930.00	.1941	.1551	.1903	.3452-02	.2838-02	.3385-02	2.003	14.36	548.3
253	.95000	.10000+00	931.00	.1731	.1424	.1723	.3077-02	.2533-02	.3064-02	1.794	13.31	545.6
253	.95000	.20000	932.00	.1529	.1259	.1539	.2718-02	.2238-02	.2736-02	1.591	11.08	543.3
253	.95000	.30000	933.00	.1278	.1053	.1289	.2773-02	.1873-02	.2293-02	1.334	9.600	541.7
253	.95000	.50000	934.00	.8650-01	.7130-01	.8750-01	.1539-02	.1269-02	.1555-02	.9070	6.750	539.3
253	.95000	.70000	935.00	.8000-01	.6600-01	.8150-01	.1423-02	.1173-02	.1450-02	.8390	6.351	539.1
253	.95000	.85000	936.00	.8250-01	.6810-01	.8540-01	.1467-02	.1210-02	.1518-02	.8670	6.459	537.7
253	.95000	.90000	937.00	.5720-01	.4720-01	.5980-01	.1017-02	.8399-03	.1064-02	.6040	4.580	535.2

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L22)

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = 5.000 SPDGRK = .0000
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
282	7.940	1.031	19.98	.0000	180.0	210.6	.2300-01	1260.	92.60	.9990	3743.	.2033-04
283	7.940	1.022	19.98	.0000	180.0	208.6	.2200-01	1259.	92.50	.9900	3742.	.2034-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
282	.7452-07	0.0175	.2442-01	4010-01
283	.7449-07	.4028-01	.2430-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(910) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(TAW) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTHOT DEG. R /SEC	TH DEG. R
283	30000	.0000	845.00	.3820-01	.3160-01	.3220-01	.9281-03	.7657-03	.7833-03	.5550	6.213	535.0
283	30000	.5000-01	846.00	.1046	.8610-01	.1028	.2543-02	.2093-02	.2499-02	.5550	16.56	547.7
283	30000	.1000-00	847.00	.8930-01	.7410-01	.8680-01	.2184-02	.1801-02	.2159-02	.1.292	11.08	541.9
283	30000	.2000	848.00	.8130-01	.6710-01	.8110-01	.1977-02	.1631-02	.1972-02	.1.174	8.456	539.3
283	30000	.4000	850.00	.4860-01	.4030-01	.4910-01	.1186-02	.9782-03	.1192-02	.7040	5.072	539.3
283	30000	.5000	851.00	.3900-01	.3220-01	.3950-01	.9466-03	.7828-03	.9607-03	.5640	4.201	538.6
283	30000	.6000	852.00	.3550-01	.2930-01	.3600-01	.8637-03	.7131-03	.8743-03	.5150	3.838	537.0
283	30000	.7000	853.00	.3070-01	.2530-01	.3110-01	.7457-03	.6159-03	.7558-03	.4460	3.217	535.5
283	30000	.8000	854.00	.3250-01	.2690-01	.3310-01	.7699-03	.6527-03	.8047-03	.4730	3.532	534.1
283	30000	.9000	855.00	.3100-01	.2570-01	.3220-01	.7539-03	.6238-03	.7830-03	.4550	3.348	529.6
283	30000	.9500	856.00	.2670-01	.2210-01	.2790-01	.6484-03	.5368-03	.6785-03	.3930	2.845	527.6
283	30000	.0000	857.00	.9350-01	.7700-01	.7870-01	.2271-02	.1872-02	.1913-02	1.340	11.48	543.5
283	40000	.0000	858.00	.255	.1683	.1721	.4994-02	.4090-02	.4182-02	2.844	28.51	563.8
283	40000	.5000-01	859.00	.3471	.2843	.3340	.8434-02	.6910-02	.8117-02	4.813	34.27	562.6
283	40000	.1000-00	860.00	.1908	.1569	.1894	.4637-02	.3814-02	.4579-02	2.705	19.39	549.8
283	40000	.2000	861.00	.9160-01	.7550-01	.9220-01	.2226-02	.1834-02	.2240-02	1.314	9.768	542.6
283	40000	.3000	862.00	.7000-01	.5780-01	.7090-01	.1782-02	.1403-02	.1723-02	1.008	7.259	540.6
283	40000	.4000	863.00	.5370-01	.4430-01	.5440-01	.1307-02	.1078-02	.1322-02	.7770	5.983	538.4
283	40000	.5000	864.00	.6070-01	.5020-01	.6130-01	.1476-02	.1220-02	.1491-02	.6850	6.003	533.9

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR



AEDC VKF V41B-57A (OH-49B) COLLATION CHECK

RUN NUMBER	2Y/B	X/C	T/C NO	OH-49B (AEDC V41B-57A) ORBITER LOWER WING										DTWOT DEG. R /SEC	TH DEG. R
				H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/R FT2SEC	H1TO BTU/R FT2SEC	H1TAW BTU/R FT2SEC	QDOT BTU/ FT2SEC	H1TAW BTU/R FT2SEC	H1TO BTU/R FT2SEC	H1TAW BTU/R FT2SEC		
283	40000	70000	865.00	5290-01	4370-01	5350-01	1285-02	1062-02	1301-02	7700	1301-02	1062-02	1301-02	5.220	534.5
283	40000	75000	866.00	4580-01	3790-01	4660-01	1114-02	9206-03	1131-02	6680	1131-02	9206-03	1131-02	4.992	533.1
283	40000	85000	867.00	5590-01	4620-01	5760-01	1359-02	1124-02	1401-02	8170	1401-02	1124-02	1401-02	6.204	532.5
283	40000	90000	868.00	4200-01	3480-01	4390-01	1021-02	8445-03	1067-02	6150	1067-02	8445-03	1067-02	5.304	531.0
283	40000	95000	869.00	3380-01	2790-01	3550-01	8209-03	6792-03	8628-03	4950	8628-03	6792-03	8628-03	4.043	529.7
283	50000	100000	871.00	5585	4522	4629	1358-01	1099-01	1125-01	7260	1125-01	1099-01	1125-01	598.4	528.4
283	50000	100000	872.00	2935	2457	2900	3906-02	3217-02	3889-02	4188	3889-02	3217-02	3889-02	31.95	527.7
283	50000	100000	873.00	1607	1324	1601	2909-02	2399-02	2934-02	2299	2934-02	2399-02	2934-02	17.06	544.7
283	50000	100000	874.00	1197	9870-01	1207	2531-02	2087-02	2558-02	1721	2558-02	2087-02	2558-02	12.38	541.5
283	50000	100000	875.00	1042	8590-01	1053	2272-02	1875-02	2298-02	1500	2298-02	1875-02	2298-02	10.79	540.7
283	50000	100000	876.00	9350-01	7710-01	9460-01	1847-02	1525-02	1870-02	1351	1870-02	1525-02	1870-02	9.732	538.7
283	50000	100000	877.00	7600-01	6270-01	7700-01	1199-02	9921-03	1216-02	1102	1216-02	9921-03	1216-02	7.701	536.5
283	50000	100000	878.00	4940-01	4080-01	5010-01	1311-01	1055-01	1021-01	7220	1021-01	1055-01	1021-01	5.684	531.0
283	50000	100000	879.00	5395	4345	4451	1032-01	8384-02	8585-02	6828	8585-02	8384-02	8585-02	56.54	612.6
283	60000	100000	880.00	4271	3450	3533	1149-01	9363-02	1083-01	5454	1083-01	9363-02	1083-01	49.51	603.8
283	60000	100000	881.00	4730	3853	4453	6198-02	5075-02	6018-02	6362	6018-02	5075-02	6018-02	48.01	579.7
283	60000	100000	882.00	2550	2089	2777	6299-02	5170-02	6235-02	3528	6235-02	5170-02	6235-02	33.84	563.9
283	60000	100000	883.00	2591	2127	2366	4690-02	3853-02	4680-02	3638	4680-02	3853-02	4680-02	26.86	555.4
283	60000	100000	884.00	1926	1586	1926	2437-02	2012-02	2462-02	2747	2462-02	2012-02	2462-02	19.72	546.2
283	60000	100000	885.00	1003	8280-01	1013	1731-02	1430-02	1749-02	1454	1749-02	1430-02	1749-02	10.49	535.7
283	60000	100000	886.00	7120-01	5820-01	7200-01	1331-02	1103-02	1344-02	1035	1344-02	1103-02	1344-02	7.019	535.1
283	60000	100000	887.00	5480-01	4530-01	5530-01	1402-02	1158-02	1419-02	8970	1419-02	1158-02	1419-02	5.576	534.5
283	60000	100000	888.00	5770-01	4770-01	5840-01	1372-02	1134-02	1389-02	8400	1389-02	1134-02	1389-02	5.876	534.1
283	60000	100000	889.00	5650-01	4670-01	5720-01	1340-02	1109-02	1381-02	8230	1381-02	1109-02	1381-02	5.765	533.0
283	60000	100000	890.00	5510-01	4550-01	5580-01	1186-02	9818-03	1242-02	8050	1242-02	9818-03	1242-02	6.016	532.2
283	60000	100000	891.00	5950-01	4930-01	6160-01	8356-03	7334-03	9304-03	8720	9304-03	7334-03	9304-03	6.413	530.9
283	60000	100000	892.00	4880-01	4040-01	5110-01	8356-03	7334-03	9304-03	7170	9304-03	7334-03	9304-03	5.458	528.7
283	60000	100000	893.00	3541	3020-01	3030-01	8356-03	7334-03	9304-03	5370	9304-03	7334-03	9304-03	4.092	526.7
283	60000	100000	894.00	1867	1523	1558	4537-02	3702-02	3787-02	4673	3787-02	3702-02	3787-02	39.13	590.2
283	60000	100000	895.00	2289	1812	2146	5541-02	4549-02	5216-02	2533	5216-02	4549-02	5216-02	32.68	574.9
283	60000	100000	896.00	1528	1284	1555	3785-02	3121-02	3778-02	3201	3778-02	3121-02	3778-02	29.55	555.4
283	60000	100000	897.00	1085	8250-01	1093	2637-02	2179-02	2657-02	2238	2657-02	2179-02	2657-02	15.59	542.2
283	60000	100000	898.00	9200-01	6770-01	8290-01	1937-02	1646-02	2015-02	1195	2015-02	1646-02	2015-02	7.432	533.5
283	60000	100000	899.00	8060-01	6650-01	8160-01	1959-02	1619-02	1983-02	1175	1983-02	1619-02	1983-02	7.520	533.4
283	60000	100000	900.00	1106	9140-01	1120	2663-02	2221-02	2723-02	1607	2723-02	2221-02	2723-02	10.27	535.6
283	60000	100000	901.00	5360-01	4450-01	5620-01	1308-02	1082-02	1366-02	7900	1366-02	1082-02	1366-02	5.721	529.1
283	60000	100000	902.00	2247	1846	1887	5453-02	4487-02	4587-02	3171	4587-02	4487-02	4587-02	25.12	552.5
283	60000	100000	903.00	3839	3129	3596	9337-02	7604-02	8739-02	5184	8739-02	7604-02	8739-02	40.56	577.4
283	60000	100000	904.00	2635	2231	2773	5689-02	5663-02	6739-02	4009	6739-02	5663-02	6739-02	29.66	551.3
283	60000	100000	905.00	2635	2231	2773	4671-02	3843-02	4662-02	2755	4662-02	3843-02	4662-02	19.18	543.6
283	60000	100000	906.00	1058	8820-01	1076	2595-02	2143-02	2616-02	1550	2616-02	2143-02	2616-02	10.84	535.8
283	60000	100000	907.00	1058	8820-01	1076	2595-02	2143-02	2616-02	1550	2616-02	2143-02	2616-02	10.84	535.8
283	60000	100000	908.00	7660-01	6340-01	7740-01	1862-02	1540-02	1881-02	1120	1881-02	1540-02	1881-02	7.175	531.7

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(RVIL22)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
283	.75000	.40000	910.00	.7210-01	.5960-01	.7260-01	.1751-02	.1448-02	.1770-02	1.052	6.935	532.5
283	.75000	.50000	911.00	.7070-01	.5850-01	.7160-01	.1718-02	.1421-02	.1740-02	1.035	7.034	530.8
283	.75000	.60000	912.00	.6720-01	.5620-01	.6890-01	.1719-02	.1421-02	.1740-02	1.035	7.034	530.8
283	.75000	.70000	913.00	.7050-01	.5840-01	.7370-01	.1714-02	.1418-02	.1730-02	1.035	7.615	529.4
283	.75000	.80000	914.00	.780-01	.3960-01	.5020-01	.1162-02	.9620-03	.1220-02	.7040	5.357	527.8
283	.80000	.00000	915.00	.3567	.2900	.2967	.6267-02	.7045-02	.7211-02	4.745	43.13	585.8
283	.80000	.20000	916.00	.1297	.1062	.1298	.3120-02	.2582-02	.3155-02	1.860	12.98	538.7
283	.80000	.40000	917.00	.8420-01	.6920-01	.8500-01	.2046-02	.1691-02	.2065-02	1.228	8.871	533.1
283	.80000	.60000	918.00	.7490-01	.6200-01	.7820-01	.1820-02	.1506-02	.1901-02	1.099	8.087	529.5
283	.85000	.00000	919.00	.4285	.3485	.3566	.1042-01	.8468-02	.8665-02	5.700	44.41	586.0
283	.85000	.20000	920.00	.1281	.1057	.1289	.3113-02	.2569-02	.3133-02	1.852	13.35	538.4
283	.85000	.40000	921.00	.9460-01	.7820-01	.9540-01	.2300-02	.1900-02	.2319-02	3.523	27.78	534.2
283	.90000	.00000	922.00	.2537	.2079	.2126	.6165-02	.5052-02	.5165-02	2.753	20.47	541.4
283	.90000	.20000	923.00	.1314	.1578	.1916	.4651-02	.3835-02	.4657-02	2.027	14.60	539.1
283	.90000	.40000	924.00	.1404	.1153	.1410	.3411-02	.2815-02	.3426-02	1.753	12.65	535.0
283	.90000	.60000	925.00	.1208	.9970-01	.1217	.2334-02	.2423-02	.2356-02	1.370	9.904	533.1
283	.90000	.80000	926.00	.9400-01	.7770-01	.9430-01	.2284-02	.1838-02	.2305-02	1.160	9.119	532.4
283	.90000	.00000	927.00	.7940-01	.6570-01	.8170-01	.1930-02	.1586-02	.1985-02	.9010	7.218	530.0
283	.90000	.20000	928.00	.6140-01	.5030-01	.6430-01	.1493-02	.1235-02	.1561-02	2.231	16.58	542.6
283	.90000	.40000	929.00	.1554	.1281	.1309	.3773-02	.3114-02	.3182-02	2.785	20.01	544.3
283	.90000	.60000	930.00	.1546	.1603	.1908	.4729-02	.3856-02	.4638-02	2.469	18.37	540.6
283	.90000	.80000	931.00	.1715	.1414	.1707	.4165-02	.3435-02	.4149-02	2.149	15.00	538.3
283	.95000	.00000	932.00	.1466	.1227	.1495	.2612-02	.2331-02	.2635-02	1.847	13.33	536.3
283	.95000	.20000	933.00	.1273	.1052	.1284	.3095-02	.2556-02	.3121-02	1.250	9.340	532.4
283	.95000	.40000	934.00	.6550-01	.7080-01	.6550-01	.2081-02	.1720-02	.2103-02	1.263	9.591	533.0
283	.95000	.60000	935.00	.8660-01	.7160-01	.8620-01	.2104-02	.1738-02	.2143-02	1.266	9.465	530.6
283	.95000	.80000	936.00	.8640-01	.7100-01	.8940-01	.2101-02	.1738-02	.2173-02	.8410	6.400	528.1
283	.95000	.00000	937.00	.5720-01	.4730-01	.5970-01	.1389-02	.1150-02	.1452-02			

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L23)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 5.000 SPDRK = .0000
 BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 B /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEC.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
254	7.900	.5532	30.01	.0000	180.0	110.8	.1200-01	1255.	93.10	.5380	3735.	.1110-04
255	7.900	.5478	30.01	.0000	180.0	107.6	.1200-01	1254.	93.00	.5320	3734.	.1099-04

RUN NUMBER	MU	LB-SEC /FT ²	ST FR R =
254	.7495	.1791-01	5451-01
255	.7490	.1781-01	.5479-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(910) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(11) BTU/ R FT ² SEC	QDOT BTU/ FT ² SEC	DTWOT DEG. R /SEC	TW DEG. R
255	.3000	.0000	845.00	.4350-01	.3590-01	.3770-01	.7760-03	.6397-03	.6711-03	.4570	5.102	539.8
255	.3000	.5000-01	845.00	.1329	.1092	.1249	.2367-02	.1945-02	.2223-02	.4570	15.18	550.9
255	.3000	.1000-00	847.00	.1230	.1012	.1162	.2190-02	.1802-02	.2069-02	.4570	10.91	546.5
255	.3000	.2000	848.00	.1031	.8490-01	.9840-01	.1837-02	.1512-02	.1753-02	.4570	7.707	544.8
255	.3000	.3000	849.00	.6610-01	.5440-01	.6350-01	.1177-02	.0886-03	.1122-02	.4570	4.934	545.0
255	.3000	.4000	851.00	.5150-01	.4240-01	.4930-01	.9167-03	.7545-03	.8439-03	.4570	3.971	545.1
255	.3000	.5000	852.00	.4730-01	.3940-01	.4640-01	.7927-03	.7017-03	.8261-03	.4570	3.700	544.2
255	.3000	.6000	853.00	.4450-01	.3570-01	.4370-01	.7593-03	.6528-03	.7895-03	.4570	3.337	543.2
255	.3000	.7000	854.00	.4270-01	.3390-01	.4170-01	.7112-03	.5955-03	.7418-03	.4570	3.314	542.1
255	.3000	.8000	855.00	.3990-01	.3200-01	.3930-01	.6727-03	.5553-03	.7103-03	.4570	3.074	538.7
255	.3000	.9000	856.00	.3790-01	.3020-01	.3710-01	.6270-03	.5153-03	.6782-03	.4570	2.973	536.6
255	.3000	.0000	857.00	.1032	.8590-01	.9200-01	.1833-02	.1513-02	.1897-02	.4570	9.190	545.0
255	.4000	.0000	858.00	.1834	.1645	.1823	.3354-02	.2752-02	.2830-02	.4570	19.35	555.7
255	.4000	.1000-01	859.00	.3528	.2832	.3247	.6263-02	.5150-02	.5781-02	.4570	25.57	558.4
255	.4000	.2000-00	860.00	.2238	.1838	.2112	.3585-02	.3273-02	.3762-02	.4570	26.99	551.9
255	.4000	.3000	861.00	.1250	.1028	.1204	.2225-02	.1831-02	.2144-02	.4570	9.575	548.3
255	.4000	.4000	862.00	.1018	.8370-01	.9870-01	.1813-02	.1491-02	.1757-02	.4570	7.562	547.3
255	.4000	.5000	863.00	.8170-01	.6720-01	.7920-01	.1454-02	.1197-02	.1410-02	.4570	6.504	546.1
255	.4000	.6000	864.00	.7420-01	.6120-01	.7180-01	.1322-02	.1083-02	.1279-02	.4570	5.239	542.3

(RVIL23)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
255	.75000	.40000	910.00	.1243	.1024	.1203	.2213-02	.1823-02	.2142-02	1.298	8.511	542.4
255	.75000	.60000	911.00	.1094	.9020-01	.1061	.1948-02	.1606-02	.1890-02	1.145	7.742	541.1
255	.75000	.80000	912.00	.1014	.8350-01	.1003	.1806-02	.1488-02	.1786-02	1.060	8.756	541.9
255	.75000	.90000	913.00	.8430-01	.6950-01	.8480-01	.1500-02	.1239-02	.1509-02	.9860	6.491	538.2
255	.75000	.95000	914.00	.5280-01	.5180-01	.6360-01	.1119-02	.9230-03	.1132-02	.6620	5.019	536.8
255	.80000	.00000	915.00	.3267	.2665	.2803	.5817-02	.4747-02	.4991-02	3.237	29.62	572.4
255	.80000	.20000	916.00	.1686	.1368	.1628	.3002-02	.2471-02	.2898-02	.730	17.17	546.0
255	.80000	.40000	917.00	.1150	.9470-01	.1111	.2047-02	.1686-02	.1979-02	1.201	8.639	542.1
255	.80000	.60000	918.00	.9340-01	.7700-01	.9390-01	.1634-02	.1372-02	.1672-02	.9800	7.177	539.5
255	.85000	.00000	919.00	.3912	.3193	.3357	.6966-02	.5685-02	.5977-02	3.879	30.43	572.0
255	.85000	.20000	920.00	.1455	.1198	.1402	.2581-02	.2133-02	.2496-02	1.512	10.86	545.2
255	.85000	.40000	921.00	.1101	.9070-01	.1063	.1950-02	.1615-02	.1892-02	1.150	8.547	542.1
255	.90000	.00000	922.00	.2345	.1924	.2021	.4176-02	.3427-02	.3598-02	2.393	18.93	555.7
255	.90000	.10000+00	923.00	.2239	.1841	.2144	.3986-02	.2278-02	.3817-02	2.315	17.15	548.2
255	.90000	.20000	924.00	.1844	.1517	.1772	.3283-02	.2701-02	.3155-02	1.910	13.71	547.0
255	.90000	.30000	925.00	.1519	.1250	.1464	.2734-02	.2220-02	.2607-02	1.580	11.35	544.6
255	.90000	.50000	926.00	.9850-01	.8130-01	.9530-01	.1756-02	.1447-02	.1697-02	1.032	7.425	541.2
255	.90000	.80000	927.00	.1077	.8870-01	.1063	.1918-02	.1580-02	.1893-02	1.126	8.815	541.5
255	.90000	.90000	928.00	.8000-01	.6500-01	.8050-01	.1425-02	.1175-02	.1435-02	.8400	6.701	539.1
255	.95000	.00000	929.00	.1324	.1090	.1144	.2357-02	.1942-02	.2037-02	1.383	10.28	542.1
255	.95000	.50000-01	930.00	.1830	.1506	.1716	.3228-02	.2681-02	.3056-02	1.897	13.62	546.6
255	.95000	.10000+00	931.00	.1798	.1479	.1713	.3202-02	.2634-02	.3049-02	1.664	13.83	546.6
255	.95000	.20000	932.00	.1865	.1534	.1796	.3320-02	.2732-02	.3198-02	1.934	13.45	546.4
255	.95000	.30000	933.00	.1639	.1343	.1582	.2919-02	.2402-02	.2817-02	1.703	12.23	545.3
255	.95000	.50000	934.00	.1145	.9130-01	.1108	.2039-02	.1679-02	.1972-02	1.196	8.894	541.6
255	.95000	.70000	935.00	.9310-01	.7670-01	.9030-01	.1623-02	.1366-02	.1618-02	.9740	7.367	541.1
255	.95000	.80000	936.00	.9470-01	.7810-01	.9410-01	.1686-02	.1390-02	.1675-02	.9940	7.398	539.3
255	.95000	.90000	937.00	.6640-01	.5480-01	.6690-01	.1183-02	.9763-03	.1191-02	.7000	5.309	536.8

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L23)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEC.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
284	7.940	1.023	30.02	.0000	180.0	209.3	.2300-01	1261.	92.60	.9930	3745.	.2038-04
285	7.940	1.024	30.02	.0000	180.0	210.2	.2300-01	1264.	92.90	.9980	3750.	.2042-04

RUN NUMBER	MU	LB-SEC /FT2	WREF BTU/ R FT2SEC	ST FR R =
284	.7459-07	.4025-01		0.0175
285	.7479-07	.4023-01		

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	OTWOT DEG. R /SEC	TW DEG. R
283	.30000	.00000	845.00	.4140-01	.3420-01	.3500-01	.1011-02	.8361-03	.8765-03	.6100	6.821	535.1
285	.30000	.50000-01	846.00	.1298	.1068	.1220	.3170-02	.2608-02	.2979-02	1.861	20.66	550.7
285	.30000	.10000+00	847.00	.1172	.9650-01	.1108	.2861-02	.2704-02	.2704-02	1.509	14.45	547.3
285	.30000	.20000	848.00	.1041	.8580-01	.9930-01	.2541-02	.2095-02	.2425-02	1.509	10.85	543.9
285	.30000	.40000	850.00	.6300-01	.5190-01	.6070-01	.1539-02	.1268-02	.1481-02	.9110	6.539	545.9
285	.30000	.50000	851.00	.4590-01	.3780-01	.4450-01	.1121-02	.9239-03	.1087-02	.6640	4.930	545.2
285	.30000	.60000	852.00	.4330-01	.3570-01	.4200-01	.1058-02	.8721-03	.1025-02	.6280	4.668	543.6
285	.30000	.70000	853.00	.3700-01	.3050-01	.3650-01	.9040-03	.7457-03	.8778-03	.5380	3.873	542.3
285	.30000	.80000	854.00	.3770-01	.3110-01	.3680-01	.9203-03	.7595-03	.8966-03	.5500	4.089	540.5
285	.30000	.90000	855.00	.4250-01	.3510-01	.4240-01	.1037-02	.8571-03	.1035-02	.6260	4.594	534.1
285	.30000	.95000	856.00	.3910-01	.3150-01	.3800-01	.9294-03	.7693-03	.9371-03	.5540	4.083	530.6
285	.30000	.00000	857.00	.9700-01	.8000-01	.8390-01	.2369-02	.1953-02	.2048-02	1.106	12.04	544.4
285	.40000	.00000	858.00	.1855	.1532	.1599	.4528-02	.3714-02	.3901-02	2.614	26.25	560.5
285	.40000	.50000-01	859.00	.3507	.2873	.3226	.3561-02	.7012-02	.7875-02	4.970	34.83	565.5
285	.40000	.10000+00	860.00	.2193	.1802	.2070	.5354-02	.4398-02	.5053-02	3.115	22.25	556.0
285	.40000	.20000	861.00	.1247	.1026	.1201	.3044-02	.2505-02	.2931-02	1.789	13.25	550.0
285	.40000	.30000	862.00	.9750-01	.8070-01	.9490-01	.2391-02	.1969-02	.2317-02	1.411	10.12	547.8
285	.40000	.40000	863.00	.7790-01	.6420-01	.7550-01	.1902-02	.1567-02	.1844-02	1.126	8.646	545.6
285	.40000	.50000	864.00	.8140-01	.6720-01	.7880-01	.1988-02	.1640-02	.1923-02	1.184	8.003	542.1

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(OTO) BTU/ R FT2SEC	H(OTO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QOOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
285	4000	70000	865.00	8220-01	6780-01	7970-01	2006-02	1655-02	1945-02	1.194	8.066	542.7
285	4000	75000	866.00	7000-01	5770-01	6810-01	1708-02	1655-02	1663-02	1.019	7.581	541.1
285	4000	80000	867.00	8290-01	6840-01	8200-01	2024-02	1670-02	2002-02	1.210	9.160	539.8
285	4000	85000	868.00	6800-01	5610-01	6840-01	1659-02	1371-02	1663-02	.9970	8.573	537.0
285	4000	90000	869.00	5750-01	4750-01	5820-01	1403-02	1160-02	1421-02	.8460	6.888	534.5
285	4000	95000	871.00	5750-01	4427	4662	1332-01	1081-01	1138-01	7.232	58.18	595.0
285	50000	50000-01	872.00	3505	2871	3243	9557-02	7009-02	7916-02	4.899	37.24	565.3
285	50000	100000-00	873.00	2049	1635	1951	5002-02	4114-02	4763-02	2.931	21.68	551.8
285	50000	150000	874.00	1371	1129	1323	3346-02	2756-02	3230-02	1.976	14.17	547.4
285	50000	200000	875.00	1144	9430-01	1107	2793-02	2301-02	2702-02	1.654	11.87	545.8
285	50000	250000	876.00	9510-01	7840-01	9210-01	2321-02	1913-02	2248-02	1.377	9.898	541.8
285	50000	300000	877.00	6930-01	5720-01	6730-01	1693-02	1396-02	1542-02	1.009	7.031	535.2
285	50000	350000	878.00	5720-01	4730-01	5560-01	1396-02	1154-02	1357-02	.8410	6.606	532.7
285	50000	400000	879.00	7193	5730	6058	1756-01	1399-01	1479-01	8.693	70.94	603.5
285	60000	450000	880.00	4516	3652	3948	1102-01	8914-02	9393-02	5.890	53.08	583.9
285	60000	500000-01	881.00	5019	4087	4520	1225-01	9376-02	1103-01	6.787	51.11	568.8
285	60000	550000-01	882.00	2751	2251	2552	6716-02	5495-02	6229-02	3.822	36.56	560.6
285	60000	600000	883.00	2802	2299	2651	6841-02	5611-02	6473-02	3.949	29.08	549.9
285	60000	650000	884.00	2151	1771	2058	5252-02	4322-02	5024-02	3.088	22.13	544.0
285	60000	700000	885.00	1457	1202	1410	3557-02	2933-02	3443-02	2.113	15.18	544.3
285	60000	750000	886.00	1351	1113	1307	3297-02	2718-02	3190-02	1.957	13.21	544.2
285	60000	800000	887.00	1201	9900-01	1161	2654-02	2197-02	2582-02	1.584	12.11	543.0
285	60000	850000	888.00	1091	9000-01	1058	2223-02	1835-02	2157-02	1.328	9.258	540.7
285	60000	900000	889.00	9110-01	7520-01	8830-01	2223-02	1635-02	2157-02	1.279	9.518	539.7
285	60000	950000	890.00	8760-01	7230-01	8230-01	2139-02	1765-02	2115-02	1.383	10.13	537.3
285	60000	1000000	891.00	9430-01	7790-01	9370-01	2302-02	1902-02	2268-02	1.126	8.565	533.8
285	60000	1050000	892.00	7650-01	6330-01	7710-01	1868-02	1545-02	1883-02	.8600	6.534	531.1
285	60000	1100000	893.00	5800-01	4800-01	5880-01	1417-02	1173-02	1436-02	2.592	38.30	586.5
285	60000	1150000	894.00	3393	2760	2905	8283-02	6738-02	7090-02	4.566	29.69	567.2
285	60000	1200000	895.00	1645	1347	1416	4017-02	3539-02	3456-02	2.292	30.65	557.1
285	60000	1250000-01	896.00	2345	1926	2115	5724-02	4700-02	5162-02	3.324	30.65	557.1
285	60000	1300000	897.00	2184	1798	2085	5330-02	4390-02	5089-02	3.145	21.86	547.8
285	60000	1350000	898.00	1658	1532	1792	4534-02	3739-02	4374-02	2.596	16.69	543.3
285	60000	1400000	899.00	1457	1203	1412	3557-02	2936-02	3447-02	2.126	13.18	540.1
285	60000	1450000	900.00	1271	1049	1232	3102-02	2561-02	3007-02	1.857	11.85	539.3
285	60000	1500000	901.00	1105	9120-01	1072	2698-02	2227-02	2617-02	1.614	10.29	539.6
285	60000	1550000	902.00	8710-01	7200-01	8760-01	2176-02	1758-02	2139-02	1.284	9.273	533.9
285	60000	1600000	903.00	2037	1678	1761	4973-02	4097-02	4239-02	2.942	23.38	533.9
285	60000	1650000	904.00	3473	2639	3118	8479-02	6329-02	7611-02	4.792	37.59	572.6
285	60000	1700000	905.00	3009	2467	2806	5610-02	4022-02	6851-02	4.282	31.65	553.2
285	60000	1750000	906.00	2298	1833	2194	5610-02	4620-02	5356-02	3.312	23.02	547.4
285	60000	1800000	907.00	1486	1226	1435	3528-02	2994-02	3502-02	2.165	15.09	541.2
285	60000	1850000	908.00	1327	1096	1284	3239-02	2676-02	3134-02	1.946	12.43	537.1

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AEDC VKF V418-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V418-57A) ORBITER LOWER WING

(RVIL23)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(190) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
285	75000	.40000	910.00	.1204	.9940-01	.1165	.2938-02	.2426-02	.2844-02	1.761	11.58	538.3
285	75000	.60000	911.00	.1083	.8950-01	.1051	.2644-02	.2185-02	.2565-02	1.590	10.79	536.3
285	75000	.80000	912.00	.1032	.8520-01	.1020	.2518-02	.2079-02	.2490-02	1.508	12.47	539.1
285	75000	.90000	913.00	.8680-01	.7180-01	.8730-01	.2118-02	.1752-02	.2130-02	1.304	9.436	531.7
285	80000	.00000	914.00	.6250-01	.5175-01	.6320-01	.1525-02	.1262-02	.1543-02	.750	7.042	530.4
285	80000	.00000	915.00	.3245	.2646	.2782	.7921-02	.6458-02	.6792-02	.422	40.32	579.6
285	80000	.20000	916.00	.1376	.1136	.1329	.3358-02	.2772-02	.3233-02	2.007	14.00	540.1
285	80000	.40000	917.00	.1134	.9360-01	.1096	.2768-02	.2286-02	.2676-02	1.661	11.97	537.8
285	85000	.90000	918.00	.9530-01	.7863-01	.9580-01	.2327-02	.1925-02	.2339-02	1.409	10.35	532.4
285	85000	.00000	919.00	.3975	.3241	.3408	.9702-02	.7911-02	.8320-02	5.419	42.37	579.2
285	85000	.20000	920.00	.1474	.1217	.1420	.3597-02	.2970-02	.3467-02	2.152	15.50	539.6
285	85000	.40000	921.00	.1343	.1108	.1297	.3278-02	.2705-02	.3166-02	1.956	14.55	541.1
285	90000	.00000	922.00	.2309	.1896	.1991	.5636-02	.4628-02	.4860-02	3.274	25.88	556.9
285	90000	.10000+00	923.00	.2224	.1833	.2131	.4400-02	.3630-02	.4230-02	3.219	23.89	545.0
285	90000	.30000	924.00	.1663	.1487	.1733	.3832-02	.3162-02	.3697-02	2.620	18.85	542.3
285	90000	.50000	925.00	.1570	.1295	.1514	.3508-02	.2895-02	.3391-02	2.287	16.46	541.2
285	90000	.70000	926.00	.1437	.1186	.1389	.4287-02	.3538-02	.4232-02	2.096	15.09	540.4
285	90000	.90000	927.00	.1756	.1449	.1734	.2703-02	.2234-02	.2723-02	2.561	20.06	540.3
285	90000	.00000	928.00	.1107	.9150-01	.1115	.3188-02	.2634-02	.2762-02	1.629	13.02	535.0
285	95000	.00000	929.00	.1306	.1079	.1131	.4451-02	.3673-02	.4178-02	1.915	14.27	537.2
285	95000	.50000-01	930.00	.1824	.1505	.1712	.4405-02	.3634-02	.4193-02	2.655	19.10	541.4
285	95000	.10000+00	931.00	.1805	.1489	.1720	.4361-02	.3599-02	.4202-02	2.626	19.52	541.7
285	95000	.20000	932.00	.1786	.1474	.1722	.4030-02	.3327-02	.3892-02	2.606	18.17	540.4
285	95000	.30000	933.00	.1651	.1363	.1594	.2776-02	.2294-02	.2688-02	2.410	17.36	539.7
285	95000	.50000	934.00	.1651	.9400-01	.1101	.4435-02	.3658-02	.4330-02	1.669	12.45	536.5
285	95000	.70000	935.00	.1817	.1489	.1774	.4693-02	.3874-02	.4662-02	2.841	19.96	542.3
285	95000	.90000	936.00	.1922	.1587	.1910	.3248-02	.2685-02	.3258-02	2.806	20.89	539.8
285	95000	.00000	937.00	.1331	.1100	.1339				1.957	14.84	535.4

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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LOWER WING

OH-498 (AEDC V41B-57A) CR3ITER LOWER WING

(RV1L23)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 B /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
298	7.980	2.023	30.07	.0000	180.0	4500-01	1280.	93.20	1.990	3774.	.4020-04
299	7.980	2.036	30.06	.0000	180.0	4500-01	1277.	93.00	1.996	3770.	.4042-04

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
299	30000	.00000	845.00	.4030-01	.3330-01	.3490-01	.1333-02	.1151-02	.1207-02	.8470	9.455	540.6
299	30000	.50000-01	846.00	.1273	.1044	.1195	.4403-02	.3613-02	.4133-02	2.570	28.32	565.5
299	30000	.10000-00	847.00	.1114	.9160-01	.1092	.3853-02	.3168-02	.3540-02	2.275	19.35	558.8
299	30000	.20000	848.00	.1042	.8570-01	.9940-01	.3604-02	.2966-02	.3438-02	2.137	15.27	556.1
299	30000	.40000	850.00	.5580-01	.4580-01	.5350-01	.1928-02	.1588-02	.1855-02	1.137	8.104	559.9
299	30000	.50000	851.00	.4300-01	.3540-01	.4170-01	.1488-02	.1223-02	.1443-02	.8770	6.464	559.7
299	30000	.50000	852.00	.4260-01	.3530-01	.4120-01	.1472-02	.1210-02	.1426-02	.8690	6.407	558.6
299	30000	.70000	853.00	.4610-01	.3790-01	.4470-01	.1595-02	.1312-02	.1547-02	.9440	6.736	557.4
299	30000	.80000	854.00	.5610-01	.4620-01	.5460-01	.1941-02	.1597-02	.1894-02	1.152	8.508	555.4
299	30000	.90000	855.00	.6370-01	.5420-01	.6560-01	.2273-02	.1876-02	.2270-02	1.371	10.00	546.1
299	30000	.95000	856.00	.5610-01	.4630-01	.5650-01	.1939-02	.1503-02	.1955-02	1.180	8.497	540.5
299	30000	.00000	857.00	.5570-01	.4620-01	.6220-01	.3449-02	.2340-02	.2980-02	2.055	17.53	553.3
299	40000	.00000	858.00	.1934	.1556	.1636	.6585-02	.5381-02	.5657-02	3.759	37.42	578.3
299	40000	.50000-01	859.00	.3481	.2837	.3194	.1294-01	.9812-02	.1105-01	6.765	47.58	597.3
299	40000	.10000-00	860.00	.2196	.1756	.2059	.7595-02	.6214-02	.7158-02	4.364	30.88	574.5
299	40000	.20000	861.00	.1223	.1004	.1177	.4230-02	.3472-02	.4071-02	2.474	18.19	564.2
299	40000	.30000	862.00	.9460-01	.7770-01	.9160-01	.3273-02	.2687-02	.3170-02	1.917	13.65	563.3
299	40000	.40000	863.00	.7650-01	.6460-01	.7620-01	.2720-02	.2234-02	.2635-02	1.598	12.17	561.4
299	40000	.60000	864.00	.7050-01	.5800-01	.6420-01	.2440-02	.2008-02	.2359-02	1.447	9.711	556.0

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AEDC VKF V41B-57A (04-198) COLLATION DECK

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04-198 (AEDC V41B-57A) ORBITER LOWER RING

(RVIL23)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(9TO) BTU/ R FT/SEC	H(10) BTU/ R FT/SEC	H(TAM) BTU/ R FT/SEC	QDOT BTU/ FT/SEC	DT/DT DEG. R /SEC	TH DEG. R
299	40000	70000	865.00	.8630-01	.7100-01	.8360-01	.2984-02	.2455-02	.2891-02	1.768	11.86	556.6
299	40000	75000	866.00	.77-0-01	.6400-01	.7560-01	.2688-02	.2455-02	.2615-02	1.598	11.80	554.6
299	40000	85000	867.00	.9910-01	.8160-01	.9800-01	.3429-02	.2822-02	.3391-02	2.035	15.28	555.5
299	40000	90000	868.00	.8350-01	.5680-01	.8400-01	.2887-02	.2379-02	.2905-02	1.726	14.73	551.5
299	40000	95000	869.00	.7280-01	.6010-01	.7380-01	.2519-02	.2079-02	.2553-02	1.518	12.28	546.6
299	50000	00000	871.00	.5423	.4435	.4681	.1910-01	.1534-01	.1619-01	9.946	78.71	628.5
299	50000	50000-01	872.00	.3451	.2809	.3183	.1194-01	.9715-02	.1101-01	6.665	50.02	590.8
299	50000	10000-00	873.00	.2059	.1866	.1958	.7124-02	.5833-02	.6774-02	4.112	30.12	571.9
299	50000	20000	874.00	.1374	.1129	.1326	.4754-02	.3905-02	.4586-02	2.791	19.87	562.1
299	50000	30000	875.00	.1213	.9970-01	.1173	.4196-02	.3449-02	.4058-02	2.474	17.64	559.5
299	50000	40000	876.00	.1009	.8290-01	.9770-01	.3490-02	.2689-02	.3379-02	2.056	14.65	560.2
299	50000	50000	877.00	.7130-01	.5870-01	.6910-01	.2466-02	.2029-02	.2391-02	1.461	10.11	556.8
299	50000	60000	878.00	.6510-01	.5370-01	.6320-01	.2250-02	.1856-02	.2186-02	1.352	10.54	548.5
299	50000	70000	879.00	.7087	.5547	.5889	.2451-01	.1919-01	.2037-01	11.28	90.05	689.0
299	60000	00000	880.00	.4601	.3692	.3489	.1592-01	.1273-01	.1345-01	8.134	72.08	638.1
299	60000	25000-01	881.00	.5066	.4108	.4559	.1759-01	.1421-01	.1577-01	9.435	70.05	612.8
299	60000	50000-01	882.00	.2839	.2329	.2526	.9819-02	.7987-02	.9084-02	5.466	51.68	592.4
299	60000	75000-01	883.00	.2891	.2361	.2732	.1000-01	.8167-02	.9449-02	5.687	41.47	580.5
299	60000	10000-00	884.00	.2175	.1784	.2078	.7522-02	.6170-02	.7189-02	4.380	31.12	566.9
299	60000	20000	885.00	.1445	.1187	.1397	.4938-02	.4107-02	.4833-02	2.942	20.97	560.4
299	60000	30000	886.00	.1370	.1126	.1325	.4719-02	.3633-02	.4552-02	2.784	18.63	551.7
299	60000	40000	887.00	.1226	.1037	.1184	.4242-02	.3485-02	.4097-02	2.497	17.21	561.3
299	60000	50000	888.00	.1692	.8980-01	.1058	.3778-02	.3105-02	.3660-02	2.228	15.39	559.5
299	60000	60000	889.00	.9120-01	.7510-01	.8730-01	.3156-02	.2537-02	.3060-02	1.872	12.95	556.1
299	60000	70000	890.00	.9150-01	.7530-01	.9050-01	.3184-02	.2604-02	.3129-02	1.861	13.89	554.7
299	60000	80000	891.00	.9050-01	.8150-01	.9830-01	.3422-02	.2820-02	.3401-02	2.045	14.88	551.7
299	60000	90000	892.00	.8090-01	.6670-01	.8160-01	.2798-02	.2308-02	.2821-02	1.685	12.70	547.0
299	60000	95000	894.00	.6240-01	.5160-01	.6320-01	.2158-02	.1783-02	.2187-02	1.311	9.912	541.7
299	60000	00000	895.00	.3370	.2721	.2868	.1166-01	.9413-02	.9922-02	6.246	51.71	613.3
299	70000	00000	896.00	.1622	.1322	.1391	.5610-02	.4573-02	.4810-02	3.160	40.55	585.9
299	70000	25000-01	897.00	.2255	.1846	.2030	.7793-02	.6385-02	.7021-02	4.133	41.13	572.8
299	70000	50000-00	898.00	.2143	.1760	.2044	.7413-02	.6080-02	.7071-02	4.346	29.97	562.8
299	70000	75000	899.00	.1821	.1482	.1736	.6229-02	.5125-02	.6005-02	3.093	22.72	556.2
299	70000	10000	900.00	.1475	.1214	.1429	.5102-02	.4200-02	.4941-02	3.033	18.67	554.6
299	70000	20000	901.00	.1270	.1044	.1230	.4393-02	.3613-02	.4254-02	2.596	16.41	558.2
299	70000	30000	902.00	.1140	.9370-01	.1105	.3942-02	.3242-02	.3821-02	2.333	14.75	557.2
299	70000	40000	903.00	.1064	.877	.1071	.3631-02	.3035-02	.3703-02	2.208	15.83	549.1
299	70000	50000	904.00	.2662	.1691	.1777	.7133-02	.5850-02	.6145-02	4.153	32.66	567.0
299	70000	60000	905.00	.3160	.2571	.2829	.1093-01	.8694-02	.9785-02	6.096	47.36	591.4
299	70000	70000	906.00	.2815	.2308	.2530	.9737-02	.7982-02	.9097-02	5.655	41.49	568.3
299	70000	80000	907.00	.2252	.1857	.2157	.7824-02	.6423-02	.7462-02	4.581	31.58	563.5
299	70000	90000	908.00	.1607	.1323	.1551	.5560-02	.4577-02	.5363-02	3.308	22.91	554.2
299	75000	30000	909.00	.1310	.1080	.1267	.5333-02	.436-02	.4383-02	2.716	17.24	549.9

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(19T) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(1TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG/R /SEC	TW DEG. R
299	75000	.40000	910.00	.1171	.9640-01	.1133	.4052-02	.3334-02	.3919-02	2.404	15.66	555.9
299	75000	.60000	911.00	.1101	.9060-01	.1067	.3897-02	.3134-02	.3691-02	2.263	15.20	554.7
299	75000	.80000	912.00	.1259	.1036	.1245	.4355-02	.3244-02	.4305-02	2.584	21.19	555.8
299	75000	.90000	913.00	.1136	.9380-01	.1143	.3930-02	.3244-02	.3952-02	2.371	17.30	545.9
299	75000	.95000	914.00	.9040-01	.7460-01	.9140-01	.3126-02	.2581-02	.3163-02	1.890	14.27	544.5
299	80000	.00000	915.00	.3258	.2639	.2780	.1127-01	.9127-02	.9615-02	6.132	55.22	605.0
299	80000	.20000	916.00	.2627	.2151	.2533	.9086-02	.7442-02	.8761-02	5.249	36.04	571.5
299	80000	.40000	917.00	.1454	.1187	.1405	.5030-02	.4139-02	.4660-02	2.984	21.32	548.4
299	80000	.60000	918.00	.1276	.1052	.1283	.4414-02	.3640-02	.4436-02	2.652	19.33	548.4
299	80000	.80000	919.00	.4030	.3264	.3433	.1394-01	.1129-01	.1189-01	7.589	58.58	564.8
299	80000	.00000	920.00	.2526	.2130	.2498	.8379-02	.7353-02	.8641-02	5.246	37.31	564.8
299	80000	.20000	921.00	.3750	.3060	.3613	.1297-01	.1098-01	.1250-01	7.339	53.43	583.4
299	80000	.40000	922.00	.2342	.1917	.2015	.8103-02	.6631-02	.6969-02	4.662	36.54	573.8
299	90000	.00000	923.00	.2213	.1820	.2119	.7656-02	.6234-02	.7329-02	4.519	33.31	558.8
299	90000	.20000	924.00	.1934	.1592	.1858	.6690-02	.5506-02	.6428-02	3.969	28.36	555.8
299	90000	.40000	925.00	.2263	.1661	.2182	.7629-02	.6437-02	.7546-02	4.621	32.96	558.9
299	90000	.60000	926.00	.3397	.2778	.3378	.1175-01	.9609-02	.1134-01	6.731	47.60	576.3
299	90000	.80000	927.00	.3655	.2510	.3024	.1061-01	.8683-02	.1046-01	6.117	47.14	572.4
299	90000	.00000	928.00	.2316	.1902	.2333	.8010-02	.6579-02	.8059-02	4.704	37.10	561.8
299	90000	.20000	929.00	.1285	.1061	.1113	.4446-02	.3671-02	.3850-02	2.689	19.96	544.4
299	90000	.40000	930.00	.1803	.1485	.1691	.6237-02	.5137-02	.5950-02	3.718	26.60	553.1
299	90000	.60000	931.00	.1798	.1481	.1713	.6221-02	.5123-02	.5925-02	3.705	27.38	553.6
299	90000	.80000	932.00	.1830	.1507	.1762	.6329-02	.5213-02	.6095-02	3.774	26.16	552.9
299	90000	.00000	933.00	.1788	.1472	.1725	.6183-02	.5093-02	.5968-02	3.687	26.38	552.8
299	90000	.20000	934.00	.1904	.1566	.1842	.6597-02	.5417-02	.6370-02	3.894	28.72	557.2
299	90000	.40000	935.00	.2483	.2037	.2422	.8568-02	.7046-02	.8377-02	5.011	37.43	565.6
299	90000	.60000	936.00	.2325	.1913	.2309	.8042-02	.6615-02	.7988-02	4.761	35.12	557.1
299	90000	.80000	937.00	.1638	.1351	.1648	.5566-02	.4673-02	.5701-02	3.404	25.65	548.3

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DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL23)

LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 5.000 SPDBRK = .0000
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
322	7.990	2.963	30.02	.0000	180.0	675.5	.7000-01	134.0	97.30	3.117	3863.	.6012-04
323	7.990	2.962	30.05	.0000	180.0	677.2	.7000-01	134.3	97.50	3.125	3867.	.6015-04

RUN NUMBER	MU LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
322	.7838-07	.4359-01	0.0175
323	.7853-07	.4366-01	.2358-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF Q=1.0	H/HREF (TAW)	H18TO BTU/ R FT ² SEC	H1TO BTU/ R FT ² SEC	H1TAW BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTWOT DEG. R /SEC	TW DEG. R
323	.30000	.00000	845.00	.3940-01	.3270-01	.3420-01	.1719-02	.1426-02	.1494-02	1.124	12.46	554.9
323	.30000	.50000-01	846.00	.1227	.1009	.1153	.5359-02	.4403-02	.5034-02	3.315	36.09	590.2
323	.30000	.10000+00	847.00	.1098	.9050-01	.1038	.4795-02	.3951-02	.4532-02	3.015	25.38	579.9
323	.30000	.20000	848.00	.1045	.8630-01	.9980-01	.4562-02	.3767-02	.4356-02	2.901	20.55	572.8
323	.30000	.40000	850.00	.5420-01	.4470-01	.5210-01	.2365-02	.1950-02	.2276-02	1.491	10.53	578.2
323	.30000	.50000	851.00	.4610-01	.3800-01	.4470-01	.2014-02	.1660-02	.1953-02	1.266	9.235	580.0
323	.30000	.60000	852.00	.6970-01	.5000-01	.5680-01	.2650-02	.2182-02	.2568-02	1.662	12.12	581.3
323	.30000	.70000	853.00	.8540-01	.7030-01	.8280-01	.3727-02	.3068-02	.3617-02	2.331	16.42	583.3
323	.30000	.80000	854.00	.1238	.1019	.1208	.5403-02	.4448-02	.5273-02	3.380	24.62	583.1
323	.30000	.90000	855.00	.1281	.1058	.1279	.5592-02	.4618-02	.5584-02	3.560	25.64	574.2
323	.30000	.95000	856.00	.1057	.8740-01	.1066	.4615-02	.3818-02	.4653-02	2.970	21.11	565.3
323	.35000	.00000	857.00	.9900-01	.8180-01	.8580-01	.4325-02	.3572-02	.3746-02	2.757	23.30	571.3
323	.40000	.00000	858.00	.1874	.1532	.1610	.4181-02	.3689-02	.4031-02	4.929	48.39	606.2
323	.40000	.50000-01	859.00	.3466	.2823	.3179	.113-01	.1232-01	.1388-01	8.919	61.75	619.3
323	.40000	.10000+00	860.00	.2193	.1796	.2068	.777-02	.7841-02	.9028-02	5.812	40.58	601.9
323	.40000	.20000	861.00	.1189	.9770-01	.1145	.5191-02	.4267-02	.4998-02	3.221	23.40	588.2
323	.40000	.30000	862.00	.9520-01	.7830-01	.9220-01	.4156-02	.3418-02	.4026-02	2.587	18.20	586.2
323	.40000	.40000	863.00	.7840-01	.6450-01	.7600-01	.3423-02	.2816-02	.3318-02	2.130	16.02	586.3
323	.40000	.60000	864.00	.9280-01	.7640-01	.8970-01	.4050-02	.3337-02	.3915-02	2.544	16.86	580.6

(RVIL23)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(ISTO) BTU/ R FT2SEC	H(ISO) BTU/ R FT2SEC	H(IAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
323	.40000	.70000	865.00	.1153	.9490-01	.1117	.5033-02	.4144-02	.4877-02	3.153	20.88	582.3
323	.40000	.75000	866.00	.1024	.8440-01	.9960-01	.4471-02	.3684-02	.4350-02	2.813	20.52	579.6
323	.40000	.85000	867.00	.1474	.1214	.1458	.6437-02	.5302-02	.6367-02	4.036	29.91	581.7
323	.40000	.90000	868.00	.1284	.1059	.1292	.5607-02	.4624-02	.5842-02	3.539	29.82	577.6
323	.40000	.95000	869.00	.1180	.9740-01	.1196	.5152-02	.4253-02	.5221-02	3.274	26.14	573.2
323	.50000	.00000	871.00	.5454	.4357	.4604	.2381-01	.1902-01	.2010-01	12.70	98.25	675.5
323	.50000	.50000-01	872.00	.3510	.2850	.3234	.1532-01	.1244-01	.1412-01	8.888	65.48	628.7
323	.50000	.10000+00	873.00	.2108	.1726	.2004	.9202-02	.7535-02	.8751-02	5.587	40.32	601.6
323	.50000	.20000	874.00	.1397	.1148	.1348	.6098-02	.5012-02	.5884-02	3.778	26.54	586.3
323	.50000	.30000	875.00	.1173	.1148	.1134	.5120-02	.4212-02	.4952-02	3.187	22.42	585.7
323	.50000	.40000	876.00	.1037	.9650-01	.1004	.4528-02	.3725-02	.4384-02	2.821	19.86	585.1
323	.50000	.50000	877.00	.1001	.8530-01	.8370-01	.3769-02	.3101-02	.3654-02	2.350	16.03	575.3
323	.50000	.60000	878.00	.6587	.7100-01	.9730-01	.4372-02	.3607-02	.4247-02	2.769	21.31	582.7
323	.55000	.00000	880.00	.4702	.5088	.5417	.2876-01	.2222-01	.2365-01	13.11	101.6	752.7
323	.60000	.00000	881.00	.3732	.3732	.3950	.2053-01	.1630-01	.1724-01	10.62	91.74	691.4
323	.60000	.25000-01	882.00	.4091	.4091	.4554	.2275-01	.1786-01	.1988-01	12.15	88.08	662.6
323	.60000	.50000-01	883.00	.2891	.2318	.2643	.1250-01	.1012-01	.1154-01	7.138	66.02	637.6
323	.60000	.10000+00	884.00	.2160	.2631	.2063	.1262-01	.1026-01	.1191-01	7.383	52.70	623.8
323	.60000	.20000	885.00	.1507	.1767	.1457	.9433-02	.7715-02	.9009-02	5.689	39.65	605.6
323	.60000	.30000	886.00	.1442	.1238	.1395	.6580-02	.5403-02	.6362-02	4.059	28.48	591.9
323	.60000	.40000	887.00	.1139	.1184	.1257	.6298-02	.5171-02	.6089-02	3.880	25.56	592.7
323	.60000	.50000	888.00	.1301	.1069	.1257	.5682-02	.4666-02	.5489-02	3.505	23.83	591.9
323	.60000	.60000	889.00	.9710-01	.7990-01	.9410-01	.4239-02	.3489-02	.4110-02	3.087	21.03	588.0
323	.60000	.80000	891.00	.1459	.1208	.1453	.6414-02	.5276-02	.6343-02	3.995	18.07	584.0
323	.60000	.85000	892.00	.1753	.1443	.1742	.7655-02	.6300-02	.7608-02	4.778	29.05	585.9
323	.60000	.90000	893.00	.1566	.1290	.1579	.6836-02	.5631-02	.6893-02	4.292	34.20	584.6
323	.60000	.95000	894.00	.1327	.1095	.1345	.5794-02	.4780-02	.5872-02	3.669	27.28	580.9
323	.65000	.00000	895.00	.3298	.2656	.2801	.1440-01	.1160-01	.1223-01	7.994	64.91	653.6
323	.70000	.00000	896.00	.1623	.1321	.1390	.7088-02	.5769-02	.6071-02	4.165	52.53	621.1
323	.70000	.25000-01	897.00	.2113	.1623	.2055	.997-02	.8152-02	.8972-02	5.986	53.81	608.7
323	.70000	.50000+00	898.00	.2113	.1797	.2014	.9227-02	.7550-02	.8972-02	5.582	37.72	603.7
323	.70000	.80000	899.00	.1797	.1475	.1732	.7848-02	.6439-02	.7561-02	4.818	29.07	589.4
323	.70000	.900.00	900.00	.1455	.1196	.1409	.6353-02	.5221-02	.6151-02	3.934	23.80	589.4
323	.70000	.00000	901.00	.1313	.1079	.1251	.5733-02	.4711-02	.5551-02	3.552	22.11	588.1
323	.70000	.40000	902.00	.2771	.1291	.1289	.5635-02	.4632-02	.5462-02	3.497	21.78	588.1
323	.70000	.60000	903.00	.2368	.1937	.2036	.1210-01	.9923-02	.1218-01	6.245	51.87	596.4
323	.70000	.80000	904.00	.3326	.2695	.2971	.1034-01	.8459-02	.8890-02	8.324	48.21	604.8
323	.75000	.00000	905.00	.3326	.2695	.2971	.1452-01	.1034-01	.1297-01	8.324	63.30	635.6
323	.75000	.25000-01	906.00	.3304	.2695	.2971	.1177-01	.1177-01	.1345-01	8.567	61.42	614.9
323	.75000	.50000-01	907.00	.2946	.2403	.2805	.1443-01	.1049-01	.1225-01	7.640	51.35	614.8
323	.75000	.10000+00	908.00	.1806	.1481	.1741	.7884-02	.6467-02	.7601-02	4.829	32.76	596.2
323	.75000	.30000	909.00	.1327	.1091	.1282	.5792-02	.4764-02	.5600-02	3.606	22.47	586.2

AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) OR3ITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TH DEG. R
323	.75000	.40000	910.00	.1194	.9820-01	.1155	.5215-02	.4287-02	.5043-02	3.235	20.73	588.4
323	.75000	.60000	911.00	.1190	.9790-01	.1153	.5194-02	.4274-02	.5035-02	3.238	21.41	585.3
323	.75000	.80000	912.00	.2650	.2169	.2618	.1157-01	.9470-02	.1143-01	7.013	56.20	582.5
323	.75000	.90000	913.00	.2895	.2377	.2912	.1264-01	.1038-01	.1272-01	7.789	55.53	592.6
323	.75000	.95000	914.00	.2292	.1883	.2320	.1001-01	.8221-02	.1013-01	6.192	45.70	589.9
323	.80000	.00000	915.00	.3386	.2732	.2880	.1478-01	.1193-01	.1258-01	8.288	73.09	648.1
323	.80000	.20000	916.00	.4298	.3494	.4138	.1877-01	.1526-01	.1807-01	10.95	73.24	625.2
323	.80000	.40000	917.00	.1766	.1448	.1705	.7710-02	.6322-02	.7444-02	4.717	33.02	596.9
323	.80000	.60000	918.00	.2970	.2434	.2986	.1297-01	.1063-01	.1304-01	7.900	56.13	599.5
323	.85000	.00000	919.00	.4067	.3282	.3460	.1776-01	.1433-01	.1511-01	9.981	75.50	646.6
323	.85000	.20000	920.00	.3975	.3235	.3818	.1735-01	.1412-01	.1667-01	10.19	70.49	621.4
323	.85000	.40000	921.00	.4574	.3710	.4402	.1997-01	.1620-01	.1922-01	11.52	81.87	632.2
323	.90000	.00000	922.00	.2300	.1881	.1977	.1004-01	.8212-02	.8631-02	6.047	46.64	606.6
323	.90000	.10000-00	923.00	.2390	.1963	.2287	.1043-01	.8573-02	.9987-02	6.455	46.85	590.0
323	.90000	.20000	924.00	.2711	.2220	.2602	.1184-01	.9693-02	.1136-01	7.183	50.16	601.9
323	.90000	.30000	925.00	.3736	.3041	.3593	.1631-01	.1328-01	.1569-01	9.590	66.35	620.8
323	.90000	.50000	926.00	.3940	.3207	.3798	.1720-01	.1400-01	.1658-01	10.11	69.97	620.8
323	.90000	.80000	927.00	.3328	.2719	.3283	.1453-01	.1187-01	.1433-01	8.716	65.97	608.9
323	.90000	.90000	928.00	.2775	.2273	.2796	.1212-01	.9324-02	.1221-01	7.366	56.97	600.8
323	.95000	.00000	929.00	.1266	.1046	.1097	.5527-02	.4568-02	.4790-02	3.534	25.91	569.3
323	.95000	.50000-01	930.00	.1749	.1440	.1640	.7635-02	.6288-02	.7161-02	4.788	33.76	581.6
323	.95000	.10000-00	931.00	.1854	.1526	.1766	.8096-02	.6665-02	.7710-02	5.063	36.86	583.4
323	.95000	.20000	932.00	.2157	.1774	.2076	.9416-02	.7745-02	.9066-02	5.860	39.94	586.4
323	.95000	.30000	933.00	.2790	.2283	.2690	.1218-01	.9970-02	.1174-01	7.377	51.47	603.1
323	.95000	.50000	934.00	.2758	.2256	.2665	.1204-01	.9849-02	.1163-01	7.263	52.31	605.5
323	.95000	.70000	935.00	.2582	.2115	.2518	.1127-01	.9235-02	.1100-01	6.861	50.38	600.1
323	.95000	.80000	936.00	.2449	.2012	.2433	.1069-01	.8784-02	.1062-01	6.605	47.91	591.1
323	.95000	.90000	937.00	.1851	.1525	.1863	.8082-02	.6657-02	.8132-02	5.069	37.57	581.5

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-49B) COLLATION CHECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
306	8.000	3.755	30.05	.0000	180.0	861.0	.8800-01	1342.	97.30	3.951	3866.	.7607-04
307	8.000	3.760	30.05	.0000	180.0	861.2	.8800-01	1341.	97.20	3.952	3865.	.7614-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R -
306	.7831-07	.4909-01	0.0175
307	.7825-07	.4909-01	.2096-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9T0) BTU/ R FT2SEC	H(T0) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
307	.30000	.00000	845.00	.4080-01	.3380-01	.3540-01	.2003-02	.1660-02	.1739-02	1.298	14.35	559.1
307	.30000	.50000-01	846.00	.1211	.9920-01	.1136	.5946-02	.4870-02	.5578-02	3.611	39.12	599.8
307	.30000	.10000-00	847.00	.1059	.8772-01	.1008	.5241-02	.4307-02	.4950-02	3.243	27.18	588.4
307	.30000	.20000	848.00	.1042	.8580-01	.9940-01	.5116-02	.4214-02	.4881-02	3.206	22.62	580.5
307	.30000	.40000	850.00	.5490-01	.4510-01	.5280-01	.2695-02	.2216-02	.2592-02	1.670	11.75	587.5
307	.30000	.50000	851.00	.5480-01	.4500-01	.5320-01	.2692-02	.2211-02	.2609-02	1.659	12.03	591.0
307	.30000	.60000	852.00	.8650-01	.7100-01	.8370-01	.4244-02	.3484-02	.4110-02	2.609	18.91	592.5
307	.30000	.70000	853.00	.1330	.1090	.1290	.6529-02	.5350-02	.6332-02	3.975	27.80	598.4
307	.30000	.80000	854.00	.1946	.1592	.1897	.9551-02	.7814-02	.9313-02	5.765	41.56	603.5
307	.30000	.90000	855.00	.1792	.1473	.1789	.8796-02	.7229-02	.8783-02	5.443	38.88	588.4
307	.30000	.95000	856.00	.1421	.1170	.1432	.6973-02	.5746-02	.7031-02	4.378	30.91	579.3
307	.30000	.00000	857.00	.9920-01	.8170-01	.8580-01	.4868-02	.4013-02	.4210-02	3.064	25.81	577.8
307	.40000	.00000	858.00	.1889	.1539	.1619	.9274-02	.7557-02	.7949-02	5.474	53.46	617.0
307	.40000	.50000-01	859.00	.3490	.2829	.3195	.1717-01	.1389-01	.1558-01	9.841	67.69	632.7
307	.40000	.10000-00	860.00	.2229	.1818	.2099	.1094-01	.8326-02	.1030-01	6.500	45.13	613.2
307	.40000	.20000	861.00	.1225	.1004	.1178	.5012-02	.4927-02	.5785-02	3.663	26.48	598.0
307	.40000	.30000	862.00	.1007	.8260-01	.9750-01	.4944-02	.4054-02	.4788-02	3.021	21.15	596.2
307	.40000	.40000	863.00	.8870-01	.7280-01	.8600-01	.4355-02	.3572-02	.4220-02	2.664	19.95	595.4
307	.40000	.50000	864.00	.1210	.9930-01	.1169	.5937-02	.4875-02	.5738-02	3.655	24.10	591.6

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL23)

RUN NUMBER	21/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAH)	H(GTO) BTU/ R FT2SEC	H(IGT) BTU/ R FT2SEC	H(IGT) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
307	.40000	.70000	865.00	.1486	.1218	.1439	.7293-02	.5981-02	.5981-02	.7062-02	4.461	29.36	595.4
307	.40000	.75000	866.00	.1442	.1184	.1402	.7077-02	.5810-02	.5810-02	.6883-02	4.352	31.55	592.2
307	.40000	.85000	867.00	.2158	.1769	.2134	.1059-01	.8681-02	.8681-02	.1047-01	5.455	47.46	597.8
307	.40000	.90000	868.00	.1925	.1579	.1937	.9448-02	.7752-02	.7752-02	.9509-02	6.792	48.40	594.2
307	.40000	.95000	869.00	.1723	.1415	.1747	.8457-02	.6945-02	.6945-02	.8574-02	5.208	41.21	591.3
307	.50000	.00000	871.00	.5457	.4321	.4575	.2679-01	.2111-01	.2111-01	.2246-01	13.68	104.8	696.6
307	.50000	.50000-01	872.00	.3605	.2911	.3315	.1770-01	.1429-01	.1429-01	.1627-01	9.960	72.82	644.4
307	.50000	.10000-00	873.00	.2182	.1780	.2073	.1071-01	.8739-02	.1018-01	.1018-01	6.365	45.67	613.0
307	.50000	.20000	874.00	.1430	.1172	.1379	.7022-02	.4924-02	.4924-02	.6771-02	29.88	25.88	598.7
307	.50000	.30000	875.00	.1223	.1003	.1182	.6034-02	.5352-02	.5352-02	.5804-02	3.673	25.73	595.4
307	.50000	.40000	876.00	.1090	.8940-01	.1055	.5352-02	.4390-02	.4390-02	.5180-02	3.276	22.95	595.1
307	.50000	.50000	877.00	.1038	.8520-01	.1006	.5095-02	.4181-02	.4181-02	.4937-02	3.125	21.22	593.9
307	.50000	.60000	878.00	.1436	.1179	.1394	.7051-02	.5789-02	.5789-02	.6845-02	4.340	33.13	591.7
307	.50000	.00000	879.00	.6285	.4781	.5107	.3085-01	.2347-01	.2347-01	.2507-01	13.15	100.7	780.8
307	.60000	.00000	880.00	.4493	.3528	.3742	.2806-01	.1732-01	.1732-01	.1837-01	10.81	92.31	716.9
307	.60000	.25000-01	881.00	.5076	.4033	.4511	.2492-01	.1980-01	.1980-01	.2214-01	12.93	92.54	688.4
307	.60000	.50000-01	882.00	.2910	.2337	.2679	.1428-01	.1147-01	.1147-01	.1315-01	7.824	71.61	659.4
307	.60000	.75000-01	883.00	.2954	.2388	.2783	.1450-01	.1172-01	.1172-01	.1366-01	8.202	58.04	641.7
307	.60000	.10000-00	884.00	.2261	.1841	.2157	.1110-01	.9037-02	.9037-02	.1059-01	6.527	45.19	601.7
307	.60000	.20000	885.00	.1585	.1298	.1532	.7780-02	.6369-02	.6369-02	.7518-02	4.711	32.90	601.7
307	.60000	.30000	886.00	.1538	.1259	.1485	.7551-02	.6180-02	.6180-02	.7297-02	4.563	29.91	603.0
307	.60000	.40000	887.00	.1468	.1201	.1417	.7207-02	.5897-02	.5897-02	.6612-02	4.35	29.42	603.2
307	.60000	.50000	888.00	.1391	.1140	.1347	.6828-02	.5596-02	.5596-02	.6612-02	4.161	28.20	597.9
307	.60000	.60000	889.00	.1272	.1044	.1232	.6243-02	.5123-02	.5123-02	.6049-02	3.830	26.02	593.6
307	.60000	.80000	891.00	.2375	.1941	.2347	.1166-01	.9529-02	.9529-02	.1152-01	7.002	50.41	506.5
307	.60000	.85000	892.00	.2871	.2346	.2853	.1429-01	.1152-01	.1152-01	.1400-01	8.451	59.81	607.6
307	.60000	.90000	893.00	.2620	.2145	.2643	.1286-01	.1053-01	.1053-01	.1297-01	7.781	57.08	602.3
307	.60000	.95000	894.00	.2159	.1773	.2189	.1060-01	.8701-02	.8701-02	.1075-01	6.515	48.02	592.6
307	.65000	.00000	895.00	.3237	.2569	.2735	.1589-01	.1271-01	.1271-01	.1342-01	8.514	68.55	671.3
307	.65000	.00000	896.00	.1588	.1287	.1355	.7795-02	.6316-02	.6316-02	.6553-02	4.462	55.90	634.9
307	.70000	.25000-01	897.00	.2339	.1902	.2098	.1071-01	.8724-02	.8724-02	.1019-01	6.701	55.80	623.6
307	.70000	.10000-00	899.00	.2181	.1777	.2076	.1148-01	.9336-02	.9336-02	.1030-01	6.324	42.48	616.4
307	.70000	.20000	900.00	.1815	.1485	.1746	.8910-02	.7283-02	.7283-02	.8579-02	5.373	32.27	604.2
307	.70000	.30000	900.00	.1560	.1278	.1510	.7655-02	.6275-02	.6275-02	.7410-02	4.664	28.10	597.9
307	.70000	.40000	901.00	.1551	.1270	.1501	.7612-02	.6236-02	.6236-02	.7367-02	4.626	28.64	599.5
307	.70000	.50000	902.00	.2265	.1852	.2193	.1112-01	.9090-02	.9090-02	.1077-01	6.685	41.26	605.9
307	.70000	.60000	903.00	.2087	.1750	.2107	.1515-01	.1237-01	.1237-01	.1525-01	9.030	62.76	611.3
307	.75000	.00000	904.00	.2671	.2175	.2269	.1311-01	.1068-01	.1068-01	.1123-01	7.713	59.13	619.0
307	.75000	.25000-01	905.00	.3786	.3045	.3368	.1859-01	.1495-01	.1495-01	.1653-01	10.24	77.13	656.1
307	.75000	.50000-01	906.00	.4159	.3355	.3867	.2042-01	.1652-01	.1652-01	.1898-01	11.61	82.28	638.5
307	.75000	.10000-00	907.00	.3779	.3057	.3591	.1855-01	.1501-01	.1501-01	.1763-01	10.54	69.99	639.2
307	.75000	.20000	908.00	.2085	.1704	.2009	.1024-01	.8366-02	.8366-02	.9861-02	6.143	41.45	607.0
307	.75000	.30000	909.00	.1387	.1138	.1340	.6810-02	.5587-02	.5587-02	.6580-02	4.174	25.91	594.2

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OH-49B (AEDC V4:B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/(TAH)	H(19T0) BTU/ R FT2SEC	H(10T) BTU/ R FT2SEC	H(1TAH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTAOT DEG. R /SEC	TW DEG. R
307	75000	40000	910.00	1.297	1.063	1254	6367-02	5220-02	6155-02	3.886	24.80	596.9
307	75000	60000	911.00	2516	2058	2436	1235-01	1010-01	1196-01	7.444	48.77	604.4
307	75000	80000	912.00	3455	2808	3412	1696-01	1379-01	1675-01	9.888	78.41	624.1
307	75000	90000	913.00	3096	2532	3115	1520-01	1243-01	1529-01	9.151	64.84	605.2
307	75000	95000	914.00	2369	1939	2398	1163-01	9520-02	1177-01	7.046	51.72	601.2
307	80000	90000	915.00	3607	2892	3053	1771-01	1420-01	1499-01	9.608	84.07	664.5
307	80000	20000	916.00	5033	4059	4838	2470-01	1992-01	2375-01	13.81	91.36	648.1
307	80000	40000	917.00	2132	1741	2057	1047-01	8546-02	1010-01	6.245	43.42	610.6
307	80000	90000	918.00	3086	2519	3103	1515-01	1236-01	1523-01	9.019	63.50	611.8
307	80000	90000	919.00	4127	3316	3499	2026-01	1628-01	1718-01	11.10	83.77	659.1
307	85000	90000	920.00	4602	3720	4415	2259-01	1826-01	2167-01	12.77	87.44	641.9
307	85000	40000	921.00	2291	4026	4800	2451-01	1976-01	2356-01	6.674	96.41	649.4
307	85000	90000	922.00	2790	1869	1965	1125-01	9174-02	9648-02	8.270	51.30	613.8
307	90000	10000-00	923.00	3919	2283	2668	1369-01	1559-01	1842-01	59.63	83.13	603.3
307	90000	20000	924.00	3176	3521	3753	1924-01	1728-01	2053-01	11.02	75.77	634.2
307	90000	30000	925.00	4353	3406	4051	2137-01	1672-01	1989-01	11.80	81.07	635.5
307	90000	50000	926.00	4206	2856	3511	1723-01	1402-01	1699-01	10.08	75.75	622.6
307	90000	80000	927.00	3511	3406	3462	1435-01	1170-01	1446-01	8.511	65.40	614.1
307	90000	90000	928.00	2923	2384	2946	6215-02	5132-02	5383-02	3.948	28.91	572.1
307	95000	90000	929.00	1266	1046	1097	8871-02	7293-02	8315-02	5.502	38.70	586.9
307	95000	90000	930.00	1807	1485	1694	1013-01	8316-02	9639-02	6.233	45.20	591.8
307	95000	50000-01	931.00	2063	1694	1694	1362-01	1112-01	1309-01	8.124	54.72	610.6
307	95000	10000-00	932.00	2674	2265	2667	1833-01	1487-01	1764-01	10.57	72.82	630.2
307	95000	20000	933.00	3299	3029	3593	1475-01	1201-01	1424-01	8.586	62.16	618.4
307	95000	30000	934.00	3005	2448	2301	1335-01	1089-01	1301-01	7.949	58.05	611.5
307	95000	50000	935.00	2719	2219	2650	1301-01	1084-01	1292-01	7.859	56.67	603.0
307	95000	70000	936.00	2650	2631	2631	1030-01	8208-02	1007-01	6.139	45.23	593.4
307	95000	80000	937.00	2037	1672	2050						

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LOWER WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L24)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
 BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
256	7.900	.5536	40.04	.0000	180.0	111.0	.1200-01	1256.	93.20	.5390	3736.	.1111-04
257	7.900	.5540	40.06	.0000	180.0	111.0	.1200-01	1255.	93.10	.5390	3735.	.1112-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R
256	7.900-07	.1792-01	0.0175
257	7.900-07	.1792-01	.5449-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
257	.30000	.00000	845.00	.4480-01	.3690-01	.4010-01	.8029-03	.6619-03	.7189-03	.4730	5.283	540.2
257	.30000	.50000-01	846.00	.1523	.1251	.1371	.2730-02	.2243-02	.2457-02	1.579	17.52	551.5
257	.30000	.10000+00	847.00	.1472	.1210	.1332	.2639-02	.2169-02	.2388-02	1.531	13.08	549.7
257	.30000	.20000	848.00	.1260	.1037	.1151	.2259-02	.1858-02	.2063-02	1.316	9.444	547.1
257	.30000	.40000	850.00	.8240-01	.6780-01	.7530-01	.1478-02	.1215-02	.1360-02	.8570	6.142	549.8
257	.30000	.50000	851.00	.6860-01	.5660-01	.6360-01	.1234-02	.1014-02	.1144-02	.7150	5.296	550.1
257	.30000	.60000	852.00	.6370-01	.5230-01	.5930-01	.1141-02	.9379-03	.1057-02	.6620	4.903	549.5
257	.30000	.70000	853.00	.5940-01	.4600-01	.5420-01	.1047-02	.8612-03	.9721-03	.6090	4.363	548.7
257	.30000	.80000	854.00	.6290-01	.5170-01	.5870-01	.1127-02	.9274-03	.1052-02	.6560	4.861	548.0
257	.30000	.90000	855.00	.6100-01	.5020-01	.5830-01	.1093-02	.9034-03	.1045-02	6.400	4.678	544.1
257	.30000	.95000	856.00	.5710-01	.4710-01	.5510-01	.1023-02	.8436-03	.9880-03	.6020	4.335	541.2
257	.30000	.00000	857.00	.1073	.8830-01	.9600-01	.1924-02	.1583-02	.1721-02	1.123	9.610	546.2
257	.40000	.00000	858.00	.1759	.1436	.1553	.3130-02	.2575-02	.2801-02	1.805	18.18	554.3
257	.40000	.50000-01	859.00	.2816	.3035	.3035	.6137-02	.5047-02	.5439-02	3.514	25.07	559.0
257	.40000	.10000+00	860.00	.2404	.1974	.2173	.4309-02	.3537-02	.3894-02	2.478	17.71	554.8
257	.40000	.20000	861.00	.1465	.1203	.1349	.2625-02	.2156-02	.2417-02	1.516	11.21	552.3
257	.40000	.30000	862.00	.1224	.1006	.1134	.2194-02	.1803-02	.2033-02	1.269	9.089	551.3
257	.40000	.40000	863.00	.9720-01	.7390-01	.9010-01	.1743-02	.1432-02	.1615-02	1.008	7.716	551.3
257	.40000	.60000	864.00	.8520-01	.7010-01	.7860-01	.1527-02	.1256-02	.1412-02	.8890	5.991	547.5

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(RVIL24)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	X/Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT/SEC	H(10) BTU/R FT/SEC	H(TAN) BTU/R FT/SEC	QDOT BTU/ FT/SEC	DTWOT DEC./SEC	TW DEC. R
257	.40000	.70000	865.00	.8970-01	.7380-01	.8310-01	.1608-02	.1322-02	.1490-02	.9340	6.294	548.5
257	.40000	.75000	866.00	.7950-01	.6540-01	.7400-01	.1425-02	.1172-02	.1326-02	.8300	6.150	547.6
257	.40000	.85000	867.00	.9440-01	.7770-01	.8930-01	.1692-02	.1392-02	.1601-02	.9840	7.419	548.1
257	.40000	.90000	868.00	.8030-01	.6610-01	.7740-01	.1440-02	.1185-02	.1386-02	.8400	7.191	546.3
257	.40000	.95000	869.00	.6790-01	.5590-01	.6590-01	.1217-02	.1002-02	.1182-02	.7130	5.772	544.4
257	.50000	.00000	871.00	.4835	.3946	.4303	.8665-02	.7073-02	.7712-02	.4830	39.29	572.4
257	.50000-01	.50000-01	872.00	.3537	.2898	.3139	.6339-02	.5194-02	.5626-02	.3610	27.51	560.2
257	.50000	.10000+00	873.00	.2188	.1797	.1993	.3921-02	.3221-02	.3573-02	.2665	16.75	552.2
257	.50000	.20000	874.00	.1481	.1217	.1367	.2654-02	.2182-02	.2450-02	1.539	11.03	549.8
257	.50000	.30000	875.00	.1108	.9110-01	.1025	.1986-02	.1633-02	.1838-02	1.154	8.274	548.8
257	.50000	.40000	876.00	.1012	.8320-01	.9370-01	.1813-02	.1491-02	.1679-02	1.052	7.543	549.3
257	.50000	.50000	877.00	.8890-01	.7310-01	.8250-01	.1594-02	.1311-02	.1478-02	.9260	6.434	548.7
257	.55000	.00000	878.00	.8090-01	.6660-01	.7520-01	.1450-02	.1194-02	.1348-02	.8480	6.621	545.4
257	.55000	.00000	879.00	.6276	.5069	.5551	.1125-01	.9086-02	.9949-02	5.934	49.40	602.2
257	.60000	.00000	880.00	.5781	.4678	.5119	.1035-01	.8394-02	.9174-02	5.512	49.82	597.8
257	.60000	.25000-01	881.00	.7022	.5709	.6073	.1258-01	.1023-01	.1088-01	6.868	51.72	584.0
257	.60000	.50000-01	882.00	.3816	.3115	.3389	.6840-02	.5583-02	.6073-02	3.815	36.43	572.1
257	.60000	.75000-01	883.00	.3827	.3131	.3462	.6853-02	.5612-02	.6205-02	3.875	28.47	584.9
257	.60000	.10000+00	884.00	.2901	.2380	.2653	.5199-02	.4266-02	.4755-02	2.984	21.32	555.9
257	.60000	.20000	885.00	.1795	.1476	.1661	.3218-02	.2645-02	.2977-02	1.865	13.36	550.3
257	.60000	.30000	886.00	.1597	.1313	.1477	.2862-02	.2352-02	.2647-02	1.659	11.16	550.1
257	.60000	.40000	887.00	.1333	.1096	.1232	.2389-02	.1964-02	.2208-02	1.385	9.613	550.1
257	.60000	.50000	888.00	.1178	.9690-01	.1092	.2112-02	.1737-02	.1957-02	1.228	8.527	548.5
257	.60000	.60000	889.00	.1074	.8830-01	.9960-01	.1924-02	.1583-02	.1785-02	1.120	7.780	548.0
257	.60000	.80000	891.00	.1040	.8550-01	.9830-01	.1863-02	.1532-02	.1762-02	1.083	8.024	548.6
257	.60000	.85000	892.00	.1139	.9360-01	.1083	.2042-02	.1680-02	.1941-02	1.192	8.703	545.7
257	.60000	.90000	893.00	.9530-01	.7900-01	.9260-01	.1719-02	.1415-02	.1659-02	1.007	7.603	544.1
257	.65000	.95000	894.00	.7580-01	.6240-01	.7350-01	.1358-02	.1119-02	.1318-02	.7990	6.041	541.4
257	.65000	.00000	895.00	.3595	.2932	.3198	.6443-02	.5255-02	.5772-02	3.576	30.17	574.8
257	.70000	.00000	896.00	.1536	.1259	.1371	.2751-02	.2256-02	.2456-02	1.568	20.38	560.3
257	.70000	.25000-01	897.00	.2465	.2023	.2141	.4421-02	.3626-02	.3838-02	2.532	23.35	557.1
257	.70000	.50000+00	898.00	.2584	.2122	.2359	.4632-02	.3803-02	.4228-02	2.668	18.48	553.8
257	.70000	.20000	899.00	.2114	.1738	.1950	.3789-02	.3115-02	.3494-02	2.195	13.54	550.5
257	.70000	.30000	900.00	.1675	.1378	.1552	.3002-02	.2470-02	.2722-02	1.748	10.80	547.4
257	.70000	.40000	901.00	.1493	.1228	.1383	.2676-02	.2201-02	.2479-02	1.558	9.904	547.0
257	.70000	.50000	902.00	.1372	.1129	.1273	.2460-02	.2024-02	.2261-02	1.433	9.110	547.0
257	.70000	.60000	903.00	.1129	.9300-01	.1087	.2023-02	.1666-02	.1949-02	1.185	8.513	544.3
257	.75000	.00000	904.00	.1690	.1391	.1512	.3029-02	.2492-02	.2703-02	1.766	14.03	546.8
257	.75000	.25000-01	905.00	.3286	.2689	.2843	.5889-02	.4819-02	.5096-02	3.330	26.22	564.4
257	.75000	.50000-01	906.00	.3436	.2818	.3078	.6158-02	.5031-02	.5516-02	3.528	26.03	556.9
257	.75000	.10000+00	907.00	.2883	.2366	.2631	.5166-02	.4240-02	.4715-02	2.970	20.56	554.9
257	.75000	.20000	908.00	.1987	.1633	.1833	.3561-02	.2927-02	.3286-02	2.066	14.34	549.6
257	.75000	.30000	909.00	.1702	.1401	.1574	.3050-02	.2510-02	.2822-02	1.780	11.32	546.3

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L24)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAL)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTROT DEG. R /SEC	TN DEG. R
257	.75000	.40000	910.00	.1494	.1221	.1373	.2659-02	.2188-02	.2461-02	1.551	10.15	946.6
257	.75000	.50000	911.00	.1316	.1083	.1221	.2359-02	.1942-02	.2188-02	1.379	9.305	545.1
257	.75000	.80000	912.00	.1335	.1098	.1262	.2393-02	.1968-02	.2262-02	1.392	11.47	548.0
257	.75000	.90000	913.00	.1141	.9400-01	.1096	.2044-02	.1684-02	.1968-02	1.201	8.776	542.5
257	.75000	.95000	914.00	.8400-01	.6930-01	.8150-01	.1506-02	.1241-02	.1460-02	.8860	6.700	541.6
257	.80000	.00000	915.00	.2655	.2173	.2367	.4758-02	.3895-02	.4242-02	2.694	24.77	563.5
257	.80000	.20000	916.00	.2333	.1919	.2155	.4182-02	.3440-02	.3862-02	2.434	16.91	547.9
257	.80000	.40000	917.00	.1548	.1273	.1431	.2774-02	.2282-02	.2565-02	1.616	11.60	547.2
257	.80000	.50000	918.00	.1254	.1033	.1207	.2248-02	.1851-02	.2163-02	1.317	9.623	543.9
257	.85000	.00000	919.00	.3096	.2536	.2761	.5548-02	.4545-02	.4949-02	3.155	24.89	561.1
257	.85000	.20000	920.00	.2176	.1788	.2004	.3900-02	.3205-02	.3592-02	2.256	16.15	551.3
257	.85000	.40000	921.00	.1713	.1409	.1581	.3070-02	.2525-02	.2834-02	1.785	13.23	548.4
257	.90000	.00000	922.00	.1743	.1433	.1558	.3125-02	.2568-02	.2792-02	1.809	14.34	550.8
257	.90000	.10000-00	923.00	.2270	.1866	.2080	.4068-02	.3345-02	.3728-02	2.362	17.49	549.3
257	.90000	.20000	924.00	.2148	.1766	.1975	.3851-02	.3164-02	.3539-02	2.229	15.96	550.9
257	.90000	.30000	925.00	.1969	.1618	.1815	.3529-02	.2901-02	.3254-02	2.046	14.66	549.9
257	.90000	.50000	926.00	.1651	.1358	.1526	.2959-02	.2434-02	.2735-02	1.722	12.35	547.8
257	.90000	.80000	927.00	.1573	.1294	.1485	.2820-02	.2320-02	.2661-02	1.642	12.82	547.3
257	.90000	.90000	928.00	.1221	.1006	.1177	.2189-02	.1802-02	.2110-02	1.282	10.20	544.2
257	.95000	.00000	929.00	.9330-01	.7690-01	.8360-01	.1672-02	.1379-02	.1498-02	.9870	7.349	539.4
257	.95000	.50000-01	930.00	.1467	.1208	.1320	.2629-02	.2165-02	.2365-02	1.540	11.06	544.3
257	.95000	.10000-00	931.00	.1659	.1365	.1513	.2974-02	.2447-02	.2712-02	1.733	12.85	547.0
257	.95000	.20000	932.00	.1941	.1596	.1788	.3478-02	.2860-02	.3205-02	2.021	14.04	548.7
257	.95000	.30000	933.00	.1924	.1582	.1776	.3448-02	.2835-02	.3183-02	2.003	14.36	548.8
257	.95000	.50000	934.00	.1381	.1137	.1279	.2476-02	.2038-02	.2292-02	1.446	10.73	545.7
257	.95000	.70000	935.00	.1701	.1398	.1587	.3048-02	.2506-02	.2845-02	1.770	13.33	549.1
257	.95000	.80000	936.00	.1574	.1295	.1495	.2821-02	.2322-02	.2680-02	1.648	12.23	545.4
257	.95000	.90000	937.00	.1075	.8860-01	.1035	.1926-02	.1588-02	.1855-02	1.134	8.574	541.2

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ORIGINAL PAGE IS POOR

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AEDC WKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL24)

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 PETA = .0000 ELEVTR = 5.000 SPDGRK = .0000
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PC PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
286	7.940	1.024	40.04	.0000	180.0	210.7	.2300-01	1266.	93.00	1.000	3752.	.2044-04
287	7.940	1.017	40.04	.0000	180.0	209.9	.2300-01	1266.	93.20	.9960	3756.	.2032-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =
286	LB-SEC /FT2		0.0175
287	.7487-07	.2444-01	.4021-01
287	.7504-07	.2441-01	.4034-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(GTO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TH DEG. R
287	.30000	.00000	845.00	.4100-01	.3390-01	.368C-01	.1001-02	.8275-03	.8977-03	.6050	6.768	536.8
287	.30000	.50000-01	846.00	.1442	.1186	.1299	.3520-02	.2694-02	.3170-02	2.065	22.88	554.9
287	.30000	.1030-00	847.00	.1328	.1093	.1203	.3241-02	.2667-02	.2935-02	1.912	16.32	551.8
287	.30000	.20000	848.00	.1250	.1030	.1143	.3052-02	.2514-02	.2789-02	1.809	12.97	548.8
287	.30000	.40000	850.00	.7660-01	.6300-01	.705C-01	.1870-02	.1538-02	.1721-02	1.100	7.872	553.1
287	.30000	.50000	851.00	.6720-01	.5530-01	.6230-01	.1640-02	.1349-02	.1521-02	.9650	7.130	553.3
287	.30000	.60000	852.00	.6390-01	.5260-01	.592C-01	.1559-02	.1283-02	.1446-02	.9180	6.791	552.6
287	.30000	.70000	853.00	.5760-01	.4740-01	.5350-01	.1405-02	.1157-02	.1305-02	.8300	5.94C	551.2
287	.30000	.80000	854.00	.6100-01	.5020-01	.569C-01	.1488-02	.1225-02	.1389-02	.8000	6.512	550.3
287	.30000	.90000	855.00	.6250-01	.5160-01	.598C-01	.1526-02	.1259-02	.1459-02	.9120	6.665	543.7
287	.30000	.00000	856.00	.5750-01	.4750-01	.555C-01	.1403-02	.1159-02	.1355-02	.8440	6.082	539.6
287	.40000	.00000	857.00	.1076	.8870-01	.9630-01	.2625-02	.2164-02	.2350-02	1.562	13.36	546.8
287	.40000	.00000	858.00	.1735	.1425	.1550	.4236-02	.3478-02	.3763-02	2.467	24.80	559.1
287	.40000	.50000-01	859.00	.3436	.2815	.3035	.8386-02	.6871-02	.7407-02	4.823	34.28	566.1
287	.40000	.10000-00	860.00	.2369	.1945	.2141	.5783-02	.4747-02	.5226-02	3.359	23.94	561.1
287	.40000	.20000	861.00	.1434	.1179	.1321	.3500-02	.2877-02	.3224-02	2.048	15.12	551.2
287	.40000	.30000	862.00	.1181	.9710-01	.1094	.2882-02	.2363-02	.2671-02	1.690	12.07	545.2
287	.40000	.40000	863.00	.9540-01	.7850-01	.8650-01	.2330-02	.1916-02	.2160-02	1.369	10.46	541.2
287	.40000	.50000	864.00	.8950-01	.7370-01	.8280-01	.2184-02	.1799-02	.2022-02	1.292	8.696	536.8

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AEDC V/F V41B-57A (OH-498) COLLATION DECK

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(RVIL24)

OH-498 (AEDC V41B-57A) OFF-TER LOWER WING

RUN NUMBER	2V/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAN)	H(GTO) BTU/ R FT2SEC	H(CTO) BTU/ R FT2SEC	H(TAM) 3TU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
287	40000	70000	865.00	9250-01	7610-01	8580-01	2258-02	1859-02	2094-02	1.334	8.978	550.5
287	40000	75000	866.00	8070-01	6640-01	7510-01	1969-02	1622-02	1833-02	1.166	8.640	549.1
287	40000	85000	867.00	1014	6350-01	9590-01	2475-02	2038-02	2342-02	1.466	11.04	549.1
287	40000	90000	868.00	8570-01	7060-01	8250-01	2092-02	1724-02	2015-02	1.244	10.64	546.8
287	40000	95000	869.00	7640-01	6300-01	7412-01	1864-02	1537-02	1809-02	1.114	9.022	544.0
287	50000	100000	871.00	4874	3973	4334	1190-01	9698-02	1058-01	6.654	53.86	582.3
287	50000	100000-01	872.00	3500	2867	3106	8543-02	6998-02	7581-02	4.909	37.28	567.0
287	50000	100000-00	873.00	2117	1740	1929	5166-02	4246-02	4709-02	3.024	22.32	556.1
287	50000	20000	874.00	1458	1199	1346	3559-02	2928-02	3286-02	2.094	14.98	553.1
287	50000	30000	875.00	1125	9260-01	1042	2746-02	2260-02	2542-02	1.621	11.61	551.3
287	50000	40000	876.00	9670-01	7960-01	8960-01	2359-02	1942-02	2186-02	1.393	9.975	551.1
287	50000	50000	877.00	8960-01	7380-01	8310-01	2187-02	1801-02	2029-02	1.294	8.982	549.8
287	50000	60000	878.00	8040-01	6630-01	7480-01	1962-02	1618-02	1825-02	1.170	9.143	545.1
287	50000	70000	879.00	6272	5042	5531	1531-01	1231-01	1350-01	7.962	65.65	621.5
287	50000	80000	880.00	5764	4644	5090	1407-01	1133-01	1242-01	7.401	66.30	615.5
287	60000	250000-01	881.00	6824	5534	5891	1665-01	1351-01	1433-01	9.061	67.78	597.5
287	60000	500000-01	882.00	3767	3072	3343	9194-02	7497-02	8159-02	5.153	48.99	581.1
287	60000	750000-01	883.00	3826	3129	3460	9337-02	7637-02	8446-02	5.321	38.97	571.8
287	60000	1000000-00	884.00	2875	2361	2631	7018-02	5764-02	6421-02	4.090	29.18	558.7
287	60000	20000	885.00	1794	1477	1661	4378-02	3605-02	4053-02	2.588	18.54	550.5
287	60000	30000	886.00	1566	1288	1449	3822-02	3144-02	3537-02	2.248	15.11	553.3
287	60000	40000	887.00	1350	1111	1248	3296-02	2711-02	3047-02	1.938	13.43	553.5
287	60000	50000	888.00	1211	9970-01	1123	2956-02	2433-02	2741-02	1.746	12.12	550.8
287	60000	60000	889.00	1081	8910-01	1003	2633-02	2174-02	2449-02	1.564	10.86	548.9
287	60000	80000	891.00	1115	9180-01	1055	2721-02	2241-02	2575-02	1.614	11.96	548.4
287	60000	95000	892.00	1186	9780-01	1128	2895-02	2387-02	2753-02	1.725	12.59	545.8
287	60000	90000	893.00	9940-01	8200-01	9600-01	2426-02	2002-02	2343-02	1.453	10.98	542.7
287	60000	95000	894.00	7610-01	6290-01	7390-01	1858-02	1534-02	1804-02	1.119	8.468	539.3
287	60000	100000	895.00	3653	2976	3247	8917-02	7264-02	7926-02	4.969	41.73	584.3
287	70000	250000-01	896.00	1539	1263	1374	3757-02	3081-02	3353-02	2.175	28.24	562.6
287	70000	500000-00	897.00	2455	2016	2133	6392-02	4320-02	5207-02	3.489	32.14	559.2
287	70000	750000	898.00	2598	2136	2374	6342-02	5214-02	5794-02	3.720	25.76	554.9
287	70000	1000000	899.00	2115	1743	1953	5163-02	4253-02	4765-02	3.062	18.90	548.5
287	70000	30000	900.00	1669	1376	1548	4075-02	3353-02	3779-02	2.421	14.96	547.3
287	70000	40000	901.00	1452	1196	1346	3543-02	2919-02	3285-02	2.102	13.35	548.3
287	70000	50000	902.00	1365	1124	1267	3332-02	2744-02	3051-02	1.973	12.53	549.3
287	70000	60000	903.00	1150	9490-01	1108	2806-02	2315-02	2704-02	1.679	12.07	543.4
287	70000	70000	904.00	1740	1436	1559	4248-02	3505-02	3805-02	2.541	20.22	543.4
287	75000	250000-01	905.00	3317	2715	2871	8096-02	6627-02	7008-02	4.635	36.41	569.1
287	75000	500000-01	906.00	3375	2771	3025	8237-02	6764-02	7384-02	4.798	35.36	559.1
287	75000	1000000-00	907.00	2568	2357	2619	6999-02	5752-02	6393-02	4.094	28.32	556.7
287	75000	20000	908.00	1971	1624	1821	4811-02	3963-02	4443-02	2.853	19.82	548.4
287	75000	30000	909.00	1680	1385	1555	4099-02	3380-02	3796-02	2.443	15.54	545.6

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L24)

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=U.9	H/REF R=1.0	H/REF (TAU)	H(OTO) BTU/ R FT2SEC	H(ITO) BTU/ R FT2SEC	H(TAU) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DT/OT DEC. R /SEC	TW DEC. R
287	.75000	.40000	910.00	.1475	.1215	.1366	.3599-02	.2967-02	.3334-02	2.141	14.01	546.3
287	.75000	.60000	911.00	.1321	.1089	.1226	.3224-02	.2658-02	.2993-02	1.919	12.94	546.5
287	.75000	.80000	912.00	.1414	.1164	.1337	.3454-02	.2842-02	.3264-02	2.042	16.80	549.9
287	.75000	.90000	913.00	.1225	.1011	.1180	.2990-02	.2468-02	.2880-02	1.795	13.13	541.4
287	.75000	.95000	914.00	.8450-01	.6980-01	.8190-01	.2062-02	.1704-02	.2000-02	1.242	9.407	539.1
287	.80000	.70000	915.00	.2612	.2139	.2329	.6375-02	.5220-02	.5685-02	3.655	33.52	568.2
287	.80000	.20000	916.00	.2194	.1808	.2027	.5354-02	.4413-02	.4949-02	3.185	22.14	546.7
287	.80000	.40000	917.00	.1507	.1242	.1395	.3679-02	.3032-02	.3404-02	2.186	15.68	547.3
287	.80000	.60000	918.00	.1346	.1110	.1295	.3285-02	.2710-02	.3161-02	1.965	14.36	543.3
287	.85000	.00000	919.00	.3005	.2464	.2681	.7335-02	.6013-02	.6545-02	4.230	33.30	564.9
287	.85000	.20000	920.00	.2079	.1390	.1558	.5074-02	.4180-02	.4679-02	3.009	21.57	548.6
287	.85000	.40000	921.00	.1586	.1390	.1558	.4116-02	.3392-02	.3804-02	2.445	18.13	547.5
287	.90000	.00000	922.00	.1715	.1413	.1535	.5544-02	.4567-02	.5085-02	3.289	24.37	548.4
287	.90000	.10000	923.00	.2271	.1871	.2084	.5241-02	.4316-02	.4822-02	3.102	22.23	549.8
287	.90000	.20000	924.00	.2147	.1768	.1976	.4187-02	.3449-02	.3747-02	2.481	19.69	549.0
287	.90000	.30000	925.00	.1857	.1530	.1714	.5331-02	.4374-02	.4833-02	2.692	19.32	547.4
287	.90000	.40000	926.00	.1650	.1360	.1527	.4027-02	.3319-02	.3726-02	2.396	17.19	546.7
287	.90000	.50000	927.00	.1675	.1380	.1582	.4088-02	.3369-02	.3861-02	2.430	18.97	547.0
287	.90000	.60000	928.00	.1239	.1022	.1195	.3023-02	.2411-02	.2916-02	1.810	14.41	542.9
287	.90000	.70000	929.00	.9130-01	.7550-01	.8190-01	.2229-02	.1844-02	.2000-02	1.354	10.11	534.1
287	.95000	.50000	930.00	.1498	.1236	.1349	.3655-02	.3017-02	.3293-02	2.192	15.77	542.0
287	.95000	.60000	931.00	.1682	.1367	.1536	.4105-02	.3386-02	.3748-02	2.452	18.21	544.3
287	.95000	.70000	932.00	.1891	.1559	.1744	.4614-02	.3804-02	.4256-02	2.747	19.10	546.3
287	.95000	.80000	933.00	.1880	.1549	.1739	.4589-02	.3782-02	.4241-02	2.726	19.56	547.5
287	.95000	.90000	934.00	.1384	.1141	.1282	.3378-02	.2785-02	.3129-02	2.015	14.96	545.0
287	.95000	.00000	935.00	.1810	.1491	.1690	.4417-02	.3638-02	.4125-02	2.617	19.72	549.0
287	.95000	.10000	936.00	.1696	.1391	.1604	.4116-02	.3396-02	.3914-02	2.462	18.29	543.4
287	.95000	.20000	937.00	.1126	.9300-01	.1085	.2748-02	.2270-02	.2648-02	1.657	12.54	538.7

DATE 25 AUG 76 AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) OPB.TER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BDFLAP = 15.00 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	P0 PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
300	7.980	2.037	40.07	.0000	180.0	429.3	.4500-01	1275.	92.80	1.992	3767.	.4041-04
301	7.980	2.044	40.08	.0000	180.0	430.9	.4500-01	1275.	92.80	2.000	3768.	.4054-04

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/ R F12SEC	H1TO BTU/ R F12SEC	H1TAM BTU/ R F12SEC	QDOT BTU/ R F12SEC	DTMDT DEG. R /SEC	TW DEG. R
301	.30000	.00000	845.00	.4380-01	.3620-01	.3930-01	.1517-02	.1254-02	.1361-02	.9220	10.29	540.1
301	.30000	.50000-01	846.00	.1426	.1168	.1281	.4935-02	.4043-02	.4435-02	2.855	31.40	569.2
301	.30000	.10000+00	847.00	.1238	.1016	.1127	.4286-02	.3519-02	.3876-02	2.506	21.27	563.0
301	.30000	.20000	848.00	.1215	.0990-01	.1103	.4207-02	.3457-02	.3840-02	2.474	17.64	559.7
301	.30000	.40000	850.00	.7030-01	.5760-01	.6460-01	.2435-02	.1995-02	.2237-02	1.410	10.01	568.4
301	.30000	.50000	851.00	.6680-01	.5470-01	.6180-01	.2312-02	.1894-02	.2140-02	1.336	9.789	570.1
301	.30000	.60000	852.00	.7780-01	.6370-01	.7200-01	.2693-02	.2205-02	.2491-02	1.553	11.38	571.0
301	.30000	.70000	853.00	.9790-01	.8020-01	.9070-01	.3368-02	.2774-02	.3139-02	1.953	13.84	570.0
301	.30000	.80000	854.00	.1234	.1011	.1150	.4272-02	.3499-02	.3981-02	2.468	18.09	571.4
301	.30000	.90000	855.00	.1238	.1018	.1182	.4255-02	.3524-02	.4092-02	2.529	18.35	557.5
301	.30000	.95000	856.00	.1123	.0950-01	.1084	.3888-02	.3203-02	.3753-02	2.319	16.61	551.2
301	.30000	.00000	857.00	.1041	.8570-01	.9310-01	.3503-02	.2966-02	.3223-02	2.139	18.23	554.2
301	.30000	.00000	858.00	.1656	.1368	.1512	.5871-02	.4804-02	.5234-02	3.371	33.63	573.6
301	.40000	.50000-01	859.00	.2743	.2473	.2862	.1155-01	.9495-02	.1025-01	6.544	46.05	586.1
301	.40000	.10000+00	860.00	.2363	.1930	.2130	.8179-02	.5681-02	.7371-02	4.652	32.65	578.9
301	.40000	.20000	861.00	.1445	.1183	.1328	.5001-02	.4095-02	.4598-02	2.881	21.10	571.7
301	.40000	.30000	862.00	.1211	.9910-01	.1120	.4191-02	.3432-02	.3877-02	2.416	17.13	571.3
301	.40000	.40000	863.00	.1049	.8580-01	.9700-01	.3630-02	.2971-02	.3359-02	2.088	15.81	572.5
301	.40000	.50000	864.00	.1182	.5690-01	.1092	.4092-02	.3354-02	.3778-02	2.371	15.81	568.2

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 25 AUG 76

AEC F V41B-57A (OH-49B) COLLATION DECK

PAGE 1159

(RVIL24)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(101) BTU/ R FT2SEC	H(101) BTU/ R FT2SEC	H(101) BTU/ R FT2SEC	H(101) BTU/ R FT2SEC	H(101) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
301	40000	70000	865.00	.1407	.1153	.1302	.4871-02	.3992-02	.4507-02	.4507-02	.4507-02	2.821	18.81	568.6
301	40000	75000	866.00	.1259	.1032	.1170	.4356-02	.3572-02	.4048-02	.4048-02	.4048-02	2.531	18.58	566.7
301	40000	85000	867.00	.1592	.1306	.1504	.5512-02	.4319-02	.5207-02	.5207-02	.5207-02	3.201	23.89	567.1
301	40000	90000	868.00	.1396	.1146	.1344	.4833-02	.3967-02	.4651-02	.4651-02	.4651-02	2.824	23.96	563.5
301	40000	95000	869.00	.1358	.1116	.1317	.4699-02	.3862-02	.4559-02	.4559-02	.4559-02	2.763	22.21	559.8
301	50000	00000	871.00	.4804	.3887	.4254	.1663-01	.1345-01	.1472-01	.1472-01	.1472-01	8.986	71.89	607.4
301	50000	50000-01	872.00	.3378	.2749	.2985	.1169-01	.9514-02	.1033-01	.1033-01	.1033-01	6.512	48.87	590.8
301	50000	10000-00	873.00	.2118	.1733	.1926	.7332-02	.5997-02	.6666-02	.6666-02	.6666-02	4.200	30.71	575.0
301	50000	20000	874.00	.1458	.1195	.1344	.5048-02	.4138-02	.4654-02	.4654-02	.4654-02	2.929	20.80	567.6
301	50000	30000	875.00	.1119	.9180-01	.1034	.3874-02	.3177-02	.3580-02	.3580-02	.3580-02	2.250	15.98	567.1
301	50000	40000	876.00	.1020	.8360-01	.944C-01	.3531-02	.2895-02	.3266-02	.3266-02	.3266-02	2.048	14.54	567.9
301	50000	60000	877.00	.9710-01	.7360-01	.899C-01	.3360-02	.2754-02	.3111-02	.3111-02	.3111-02	1.950	13.41	567.5
301	50000	90000	878.00	.1183	.9720-01	.1098	.4095-02	.3364-02	.3802-02	.3802-02	.3802-02	2.404	18.64	560.6
301	50000	00000	879.00	.6170	.4894	.5398	.2136-01	.1694-01	.1869-01	.1869-01	.1869-01	10.45	84.62	658.6
301	60000	00000	880.00	.5804	.4617	.5087	.2003-01	.1598-01	.1761-01	.1761-01	.1761-01	9.969	87.76	651.6
301	60000	25000-01	881.00	.6945	.5573	.5950	.2404-01	.1929-01	.2059-01	.2059-01	.2059-01	12.45	91.66	629.9
301	60000	50000-01	882.00	.3814	.3084	.3366	.1322-01	.1067-01	.1165-01	.1165-01	.1165-01	7.114	65.72	608.9
301	60000	75000-01	883.00	.3820	.3103	.3442	.1322-01	.1074-01	.1191-01	.1191-01	.1191-01	7.291	52.75	596.4
301	60000	10000-00	884.00	.2817	.2300	.2570	.9752-02	.7961-02	.8896-02	.8896-02	.8896-02	5.529	39.01	580.8
301	60000	20000	885.00	.1818	.1490	.1675	.5528-02	.4530-02	.5107-02	.5107-02	.5107-02	3.642	25.85	569.0
301	60000	30000	886.00	.1597	.1309	.1475	.5528-02	.4530-02	.5107-02	.5107-02	.5107-02	3.199	21.32	569.2
301	60000	40000	887.00	.1347	.1104	.1243	.4664-02	.3821-02	.4303-02	.4303-02	.4303-02	2.696	18.53	569.6
301	60000	50000	888.00	.1240	.1017	.1148	.4292-02	.3519-02	.3973-02	.3973-02	.3973-02	2.494	17.16	566.7
301	60000	60000	889.00	.1164	.9550-01	.1079	.4030-02	.3307-02	.3733-02	.3733-02	.3733-02	2.351	16.20	564.3
301	60000	80000	891.00	.1623	.1331	.1532	.5617-02	.4608-02	.5307-02	.5307-02	.5307-02	3.271	24.03	565.4
301	60000	90000	892.00	.1673	.1374	.1535	.5790-02	.4755-02	.5500-02	.5500-02	.5500-02	3.590	24.54	562.3
301	60000	00000	893.00	.1490	.1225	.1437	.5157-02	.4240-02	.4975-02	.4975-02	.4975-02	3.039	22.79	558.4
301	60000	50000	894.00	.1238	.1011	.1192	.4251-02	.3500-02	.4125-02	.4125-02	.4125-02	2.528	19.01	553.0
301	60000	00000	895.00	.3523	.2852	.3120	.1220-01	.9971-02	.1080-01	.1080-01	.1080-01	6.603	54.85	606.3
301	70000	00000	896.00	.1568	.1281	.1396	.5426-02	.4433-02	.4833-02	.4833-02	.4833-02	3.090	33.80	578.4
301	70000	25000-01	897.00	.2451	.2006	.2124	.8466-02	.6942-02	.7353-02	.7353-02	.7353-02	4.868	44.51	574.1
301	70000	10000-00	898.00	.2585	.2117	.2357	.8950-02	.7328-02	.8159-02	.8159-02	.8159-02	5.159	35.42	571.4
301	70000	20000	899.00	.2039	.1672	.1676	.7059-02	.5787-02	.6501-02	.6501-02	.6501-02	4.098	25.06	567.3
301	70000	30000	900.00	.1555	.1367	.1541	.5764-02	.4731-02	.5335-02	.5335-02	.5335-02	3.365	20.62	564.0
301	70000	40000	901.00	.1541	.1264	.1426	.5333-02	.4376-02	.4935-02	.4935-02	.4935-02	3.108	19.58	564.9
301	70000	60000	902.00	.1433	.1176	.1327	.4961-02	.4070-02	.4555-02	.4555-02	.4555-02	2.891	18.20	565.1
301	70000	90000	903.00	.2636	.2162	.2536	.9123-02	.7482-02	.8777-02	.8777-02	.8777-02	5.305	37.70	566.3
301	75000	00000	904.00	.2073	.1703	.1852	.7177-02	.5895-02	.6412-02	.6412-02	.6412-02	4.211	33.22	561.0
301	75000	25000-01	905.00	.3298	.2687	.2844	.1142-01	.9309-02	.9844-02	.9844-02	.9844-02	4.398	49.81	587.4
301	75000	50000-01	906.00	.3339	.2730	.2985	.1156-01	.9451-02	.1033-01	.1033-01	.1033-01	6.616	48.37	575.3
301	75000	10000-00	907.00	.2905	.2377	.2646	.1005-01	.8229-02	.9165-02	.9165-02	.9165-02	5.775	39.61	573.5
301	75000	20000	908.00	.1977	.1622	.1822	.6842-02	.5613-02	.6307-02	.6307-02	.6307-02	3.984	27.44	565.5
301	75000	30000	909.00	.1676	.1376	.1549	.5801-02	.4763-02	.5361-02	.5361-02	.5361-02	3.396	21.42	562.3

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

-DATE 25 AUG 76

(RVIL24)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
301	.75000	.40000	916.00	.1461	.1199	.1350	.5057-02	.4149-02	.4674-02	2.948	19.11	564.9
301	.75000	.60000	911.00	.1394	.1145	.1292	.4825-02	.3962-02	.4471-02	2.824	18.89	562.4
301	.75000	.80000	912.00	.2681	.2194	.2530	.9279-02	.7594-02	.8757-02	5.334	43.38	572.9
301	.75000	.90000	913.00	.2804	.2302	.2697	.9706-02	.7970-02	.9336-02	5.683	41.13	562.2
301	.75000	.95000	914.00	.2259	.1856	.2188	.7820-02	.6424-02	.7574-02	4.590	34.37	560.9
301	.80000	.00000	915.00	.2678	.2162	.2381	.9268-02	.7554-02	.8242-02	5.207	47.33	566.0
301	.80000	.20000	916.00	.2070	.1699	.1309	.7166-02	.5880-02	.6609-02	4.179	28.80	564.5
301	.80000	.40000	917.00	.1512	.1239	.1395	.5232-02	.4290-02	.4829-02	3.039	21.59	566.9
301	.80000	.60000	918.00	.2927	.2400	.2812	.1013-01	.8306-02	.9735-02	5.882	42.47	567.1
301	.85000	.00000	919.00	.3053	.2432	.2717	.1057-01	.8525-02	.9405-02	5.986	46.75	581.3
301	.85000	.20000	920.00	.2098	.1720	.1930	.7264-02	.5955-02	.6682-02	4.215	29.93	567.5
301	.85000	.40000	921.00	.1664	.1364	.1534	.5762-02	.4720-02	.5316-02	3.331	24.42	569.5
301	.90000	.00000	922.00	.1689	.1368	.1510	.5846-02	.4805-02	.5225-02	3.442	27.18	559.0
301	.90000	.10000+00	923.00	.2254	.1851	.2064	.7803-02	.6406-02	.7145-02	4.565	33.59	562.7
301	.90000	.20000	924.00	.2076	.1702	.1905	.7184-02	.5891-02	.6596-02	4.173	29.65	566.9
301	.90000	.30000	925.00	.1947	.1586	.1793	.6740-02	.5524-02	.6206-02	3.908	27.75	568.0
301	.90000	.50000	926.00	.1628	.1334	.1502	.5334-02	.4618-02	.5199-02	3.263	23.16	568.6
301	.90000	.80000	927.00	.3215	.2630	.3028	.1113-01	.9102-02	.1047-01	6.375	49.07	574.9
301	.90000	.90000	928.00	.2887	.2365	.2780	.9992-02	.8188-02	.9623-02	5.783	45.44	569.0
301	.95000	.00000	929.00	.9040-01	.7480-01	.8110-01	.3129-02	.2588-02	.2807-02	1.909	14.22	537.7
301	.95000	.50000-01	930.00	.1469	.1212	.1323	.5085-02	.4194-02	.4578-02	3.050	21.88	548.0
301	.95000	.10000+00	931.00	.1664	.1369	.1517	.5758-02	.4739-02	.5251-02	3.415	25.22	554.8
301	.95000	.20000	932.00	.1852	.1521	.1705	.6410-02	.5265-02	.5902-02	3.763	25.98	560.7
301	.95000	.30000	933.00	.1843	.1512	.1699	.6378-02	.5233-02	.5882-02	3.718	26.44	564.8
301	.95000	.50000	934.00	.1320	.1084	.1220	.4568-02	.3751-02	.4223-02	2.677	19.71	561.6
301	.95000	.70000	935.00	.2850	.2331	.2654	.9664-02	.8069-02	.9187-02	5.654	42.05	574.6
301	.95000	.80000	936.00	.3054	.2503	.2853	.1057-01	.8664-02	.1003-01	6.121	44.89	568.9
301	.95000	.90000	937.00	.2402	.1974	.2312	.8313-02	.6833-02	.8002-02	4.892	36.66	559.3

DATE 25 AUG 76 AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 5.000 SPDRK = .0000
BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	Y DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
324	7.990	2.968	40.07	.0000	180.0	675.5	.7000-01	1339.	97.20	3.117	3861.	.6018-04
325	7.990	2.975	40.10	.0000	180.0	675.5	.7000-01	1337.	97.10	3.117	3858.	.6028-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
324	.7829-07	.4358-01	.0175	0.0175
325	.7817-07	.4357-01	.2357-01	.2355-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(90) BTU/ R F12SEC	H(TO) BTU/ R F12SEC	H(TAN) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTWDT DEG. R /SEC	TH DEG. R
325	.30000	.00000	845.00	.4380-01	.3630-01	.3930-01	.1908-02	.1580-02	.1712-02	1.233	13.65	556.4
325	.30000	.50000-01	846.00	.1385	.1135	.1244	.6034-02	.4944-02	.5422-02	3.660	39.71	596.6
325	.30000	.10000+00	847.00	.1266	.1041	.1145	.5518-02	.4534-02	.4992-02	3.399	28.50	587.2
325	.30000	.20000	848.00	.1232	.1014	.1125	.5366-02	.4418-02	.4902-02	3.341	23.57	580.7
325	.30000	.40000	850.00	.7250-01	.5950-01	.6670-01	.3160-02	.2593-02	.2905-02	1.932	13.55	591.9
325	.30000	.50000	851.00	.9880-01	.8090-01	.9140-01	.4303-02	.3526-02	.3984-02	2.610	18.88	596.7
325	.30000	.60000	852.00	.1496	.1225	.1384	.6521-02	.5336-02	.6030-02	3.927	28.34	601.0
325	.30000	.70000	853.00	.2140	.1747	.1983	.9325-02	.7614-02	.8629-02	5.547	38.61	608.3
325	.30000	.80000	854.00	.2641	.2153	.2453	.1151-01	.9380-02	.1070-01	6.786	48.68	613.4
325	.30000	.90000	855.00	.2158	.1769	.2053	.9402-02	.7709-02	.8971-02	5.723	40.76	594.5
325	.30000	.95000	856.00	.1872	.1538	.1803	.8157-02	.6702-02	.7868-02	5.021	35.30	587.7
325	.30000	.00000	857.00	.1053	.8770-01	.9520-01	.4631-02	.3820-02	.4148-02	2.916	24.62	573.5
325	.40000	.00000	858.00	.1724	.1411	.1537	.7513-02	.6149-02	.6659-02	4.527	44.57	600.5
325	.40000	.50000-01	859.00	.3371	.2744	.2964	.1459-01	.1135-01	.1291-01	8.588	59.48	618.5
325	.40000	.10000+00	860.00	.2404	.1952	.2163	.1047-01	.8550-02	.9436-02	6.224	43.31	608.9
325	.40000	.20000	861.00	.1547	.1266	.1422	.6741-02	.5518-02	.6197-02	4.066	29.37	600.0
325	.40000	.30000	862.00	.1465	.1199	.1355	.6385-02	.5223-02	.5904-02	3.839	26.81	601.9
325	.40000	.40000	863.00	.1562	.1277	.1444	.6804-02	.5563-02	.6293-02	4.078	30.41	603.8
325	.40000	.50000	864.00	.2329	.1904	.2143	.1015-01	.8298-02	.9351-02	6.087	39.90	603.3

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OH-498 (AEDC V418-57A) ORBITER LOWER WING

(RVIL24)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(TAN) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTADT DEG. R /SEC	TW DEG. R
325	.40000	.70000	865.00	.2856	.2330	.2638	.1244-01	.1015-01	.1149-01	7.370	48.13	610.9
325	.40000	.75000	836.00	.2497	.2040	.2317	.1088-01	.0887-02	.1010-01	6.481	46.63	607.6
325	.40000	.85000	867.00	.2868	.2341	.2705	.1250-01	.1020-01	.1179-01	7.415	54.20	609.8
325	.40000	.90700	868.00	.2487	.2032	.2391	.1084-01	.0856-02	.1042-01	6.474	53.79	605.8
325	.50000	.95000	869.00	.2390	.1955	.2316	.1041-01	.0816-02	.1009-01	6.254	49.21	602.5
325	.50000	.00000	871.00	.4773	.3849	.4218	.2080-01	.1677-01	.1838-01	11.58	90.83	646.4
325	.50000	.50000-01	872.00	.3422	.2776	.3018	.1491-01	.1210-01	.1315-01	8.570	63.15	628.4
325	.50000	.10000+00	873.00	.2188	.1787	.1987	.0932-02	.0787-02	.0860-02	5.685	40.92	606.7
325	.50000	.20000	874.00	.1605	.1314	.1479	.0933-02	.0727-02	.0844-02	4.228	29.57	598.5
325	.50000	.30000	875.00	.1405	.1151	.1298	.0622-02	.0514-02	.0564-02	3.706	25.93	597.8
325	.50000	.40000	876.00	.1443	.1181	.1334	.0298-02	.0147-02	.0212-02	3.790	26.48	600.4
325	.50000	.50000	877.00	.1900	.1553	.1757	.0279-02	.0167-02	.0212-02	4.954	33.46	604.8
325	.50000	.60000	878.00	.2444	.1998	.2264	.1065-01	.0705-02	.0866-02	6.375	48.36	604.5
325	.50000	.70000	879.00	.5892	.4632	.5128	.2567-01	.2018-01	.2234-01	12.62	99.71	711.5
325	.50000	.80000	880.00	.5815	.4593	.5088	.2534-01	.1997-01	.2208-01	12.60	108.1	705.8
325	.50000	.90000	881.00	.6885	.5475	.5859	.3000-01	.2386-01	.2553-01	15.57	111.7	684.0
325	.60000	.00000-01	882.00	.3070	.2370	.3360	.1667-01	.1338-01	.1464-01	9.060	82.92	659.5
325	.60000	.10000+00	883.00	.3882	.3133	.3486	.1691-01	.1365-01	.1519-01	9.461	66.88	643.8
325	.60000	.20000	884.00	.2957	.2404	.2692	.1288-01	.1048-01	.1173-01	7.490	51.79	621.8
325	.60000	.30000	885.00	.1924	.1573	.1775	.0839-02	.0694-02	.0776-02	5.022	35.03	604.1
325	.60000	.40000	886.00	.1795	.1467	.1656	.0782-02	.0633-02	.0718-02	30.61	605.6	605.6
325	.60000	.50000	887.00	.1650	.1348	.1520	.0718-02	.0587-02	.0624-02	4.291	28.96	606.2
325	.60000	.60000	888.00	.1593	.1303	.1473	.0694-02	.0567-02	.0617-02	4.164	28.15	603.1
325	.60000	.70000	889.00	.1592	.1303	.1473	.0693-02	.0567-02	.0617-02	4.177	28.27	601.0
325	.60000	.80000	891.00	.2710	.2213	.2557	.1181-01	.0942-02	.1114-01	7.032	50.59	607.6
325	.60000	.90000	892.00	.3070	.2508	.2912	.1338-01	.1093-01	.1269-01	7.974	56.45	607.1
325	.60000	.00000	893.00	.3018	.2467	.2908	.1315-01	.1075-01	.1267-01	6.857	57.72	604.2
325	.60000	.10000	894.00	.2592	.2125	.2514	.1130-01	.0927-02	.1095-01	6.857	50.45	596.2
325	.65000	.00000	895.00	.3593	.2990	.3167	.1561-01	.1259-01	.1389-01	8.709	70.99	645.3
325	.70000	.00000	896.00	.1613	.1316	.1436	.0702-02	.0573-02	.0625-02	4.162	52.76	611.0
325	.70000	.10000-01	897.00	.2516	.2053	.2176	.0958-02	.0844-02	.0948-02	6.489	58.26	611.3
325	.70000	.20000	898.00	.2632	.2143	.2392	.1147-01	.0938-02	.1042-01	6.724	45.15	616.8
325	.70000	.30000	899.00	.2198	.1756	.2021	.0957-02	.0824-02	.0880-02	5.711	34.25	606.9
325	.70000	.40000	900.00	.1845	.1510	.1706	.0840-02	.0680-02	.0743-02	4.843	29.14	600.8
325	.70000	.50000	901.00	.1741	.1424	.1609	.0758-02	.0620-02	.0701-02	4.558	28.18	602.3
325	.70000	.60000	902.00	.1731	.1415	.1601	.0754-02	.0616-02	.0697-02	4.523	27.95	603.4
325	.70000	.70000	903.00	.3453	.2818	.3313	.1504-01	.1228-01	.1446-01	8.923	62.05	610.1
325	.75000	.00000	904.00	.2196	.1802	.1961	.0957-02	.0785-02	.0854-02	5.852	45.47	591.5
325	.75000	.10000-01	905.00	.3356	.2722	.2895	.1462-01	.1186-01	.1251-01	8.398	64.07	628.8
325	.75000	.20000-01	906.00	.3305	.2688	.2845	.1440-01	.1171-01	.1283-01	8.382	59.91	621.1
325	.75000	.30000	907.00	.2954	.2401	.2683	.1287-01	.1046-01	.1169-01	7.472	50.04	622.6
325	.75000	.40000	908.00	.2109	.1721	.1940	.0918-02	.0750-02	.0845-02	5.458	36.78	609.2
325	.75000	.50000	909.00	.1819	.1488	.1678	.0792-02	.0646-02	.0731-02	4.775	29.55	600.5

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL24)

OH-49B (AEDC V41B-57A) OREITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTAOT DEG. R /SEC	TW DEG. R
325	.75000	.40000	910.00	.1643	.1343	.1516	.7157-02	.5853-02	.6606-02	4.295	27.33	603.1
325	.75000	.60000	911.00	.1616	.1323	.1496	.7043-02	.5765-02	.6517-02	4.245	27.86	600.5
325	.75000	.80000	912.00	.3996	.3247	.3763	.1741-01	.1415-01	.1639-01	10.10	80.16	622.9
325	.75000	.90000	913.00	.3487	.2851	.3350	.1519-01	.1242-01	.1460-01	9.102	64.53	604.0
325	.75000	.00000	914.00	.2755	.2253	.2666	.1200-01	.9818-02	.1162-01	7.213	52.91	602.2
325	.80000	.00000	915.00	.2718	.2205	.2411	.1184-01	.9608-02	.1050-01	6.807	60.60	628.4
325	.80000	.20000	916.00	.2354	.1919	.2165	.1026-01	.8361-02	.9433-02	6.041	40.62	614.2
325	.80000	.40000	917.00	.1696	.1385	.1563	.7331-02	.6035-02	.6807-02	4.400	30.63	607.8
325	.80000	.60000	918.00	.3637	.2966	.3491	.1364-01	.1108-01	.1292-01	9.354	66.02	613.0
325	.85000	.00000	919.00	.3130	.2544	.2779	.1585-01	.1292-01	.1521-01	7.912	60.54	617.4
325	.85000	.20000	920.00	.2200	.1791	.2017	.9585-02	.7804-02	.8790-02	5.615	38.91	614.0
325	.85000	.40000	921.00	.1904	.1552	.1750	.8294-02	.6760-02	.7627-02	4.887	35.05	591.7
325	.85000	.60000	922.00	.1713	.1405	.1520	.7462-02	.6124-02	.6664-02	4.563	35.45	607.6
325	.90000	.00000	923.00	.2318	.1893	.2117	.1010-01	.8247-02	.9223-02	6.014	43.27	617.7
325	.90000	.20000	924.00	.2193	.1786	.2007	.9557-02	.7780-02	.8744-02	5.595	38.77	616.4
325	.90000	.40000	925.00	.2135	.1739	.1961	.9304-02	.7578-02	.8543-02	5.459	37.85	612.4
325	.90000	.60000	926.00	.1877	.1530	.1728	.8177-02	.6668-02	.7529-02	4.830	33.55	625.9
325	.90000	.80000	927.00	.4322	.3509	.4061	.1883-01	.1529-01	.1767-01	10.87	81.59	625.9
325	.95000	.00000	928.00	.3496	.2849	.3363	.1523-01	.1241-01	.1465-01	8.965	68.87	614.6
325	.95000	.20000	929.00	.9530-01	.7880-01	.8550-01	.4150-02	.3434-02	.3725-02	2.661	19.58	562.1
325	.95000	.40000	930.00	.1558	.1290	.1410	.6831-02	.5623-02	.6142-02	2.661	19.58	580.8
325	.95000	.60000	931.00	.1706	.1399	.1553	.7433-02	.6097-02	.6767-02	4.533	29.99	593.3
325	.95000	.80000	932.00	.1996	.1632	.1834	.8697-02	.7109-02	.7990-02	5.204	35.15	604.8
325	.95000	.00000	933.00	.1941	.1584	.1786	.8458-02	.6900-02	.7780-02	5.008	34.81	611.1
325	.95000	.20000	934.00	.1431	.1170	.1321	.6234-02	.5099-02	.5754-02	3.742	26.99	602.9
325	.95000	.40000	935.00	.3839	.3119	.3566	.1673-01	.1359-01	.1554-01	9.693	70.37	623.6
325	.95000	.60000	936.00	.3989	.3249	.3778	.1738-01	.1416-01	.1646-01	10.21	73.15	615.8
325	.95000	.80000	937.00	.2930	.2397	.2817	.1277-01	.1044-01	.1227-01	7.679	56.36	601.6

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL24)

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BOXFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RM/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
308	8.000	3.758	40.09	.0000	180.0	861.2	.8800-01	1342.	97.20	3.952	3866.	.7610-04
309	8.000	3.739	40.06	.0000	180.0	859.3	.8800-01	1345.	97.40	3.943	3869.	.7579-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =
308	.7829-07	.4909-01	0.0175
309	.7844-07	.4905-01	.2101-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
309	.30000	.00000	845.00	.4350-01	.3500-01	.3900-01	.2132-02	.1767-02	.1915-02	1.387	15.33	559.4
309	.30000	.50000-01	846.00	.1352	.1105	.1213	.6631-02	.5420-02	.5952-02	3.990	43.05	608.3
309	.30000	.10000+00	847.00	.1221	.1001	.1103	.5988-02	.4911-02	.5412-02	3.671	30.63	597.0
309	.30000	.20000	848.00	.1235	.1015	.1128	.6060-02	.4980-02	.5532-02	3.757	26.39	590.1
309	.30000	.40000	850.00	.5540-01	.7810-01	.8160-01	.4581-02	.3832-02	.4299-02	2.841	19.83	603.1
309	.30000	.50000	851.00	.1610	.1314	.1468	.7898-02	.6444-02	.7300-02	4.706	33.75	614.3
309	.30000	.60000	852.00	.2509	.2042	.2315	.1231-01	.1002-01	.1135-01	7.240	51.74	621.7
309	.30000	.70000	853.00	.3173	.2574	.2929	.1557-01	.1263-01	.1437-01	8.986	61.80	632.8
309	.30000	.80000	854.00	.3325	.2695	.3086	.1631-01	.1322-01	.1514-01	9.372	66.52	635.5
309	.30000	.90000	855.00	.2459	.2010	.2345	.1206-01	.9862-02	.1150-01	7.271	51.47	607.2
309	.30000	.95000	856.00	.2130	.1746	.2054	.1045-01	.8564-02	.1008-01	6.387	44.67	598.7
309	.35000	.00000	857.00	.1066	.8790-01	.9950-01	.5231-02	.4311-02	.4682-02	3.293	27.71	580.5
309	.40000	.00000	858.00	.1751	.1429	.1559	.8589-02	.7012-02	.7645-02	5.133	50.24	612.5
309	.40000	.50000-01	859.00	.3426	.2777	.3005	.1681-01	.1362-01	.1474-01	9.663	66.39	635.2
309	.40000	.10000+00	860.00	.2561	.2084	.2304	.1256-01	.1022-01	.1130-01	7.368	50.90	623.7
309	.40000	.20000	861.00	.1832	.1494	.1662	.8985-02	.7331-02	.8249-02	5.355	38.41	614.1
309	.40000	.30000	862.00	.2015	.1642	.1861	.9885-02	.8054-02	.9127-02	5.848	40.50	618.5
309	.40000	.40000	863.00	.2410	.1961	.2225	.1182-01	.9621-02	.1092-01	6.945	51.31	622.7
309	.40000	.60000	864.00	.3630	.2954	.3342	.1781-01	.1449-01	.1640-01	10.45	67.86	623.1

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(RV1L24)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TM DEG. R
309	.40000	.70000	865.00	.3697	.3000	.3408	.1814-01	.1472-01	.1672-01	10.49	67.84	631.5
309	.40000	.75000	866.00	.3275	.2662	.3033	.1606-01	.1306-01	.1488-01	9.386	66.93	625.8
309	.40000	.85000	867.00	.3311	.2691	.3120	.1624-01	.1320-01	.1531-01	9.487	68.79	626.0
309	.40000	.90000	868.00	.2852	.2321	.2740	.1399-01	.1139-01	.1344-01	8.232	67.88	621.6
309	.40000	.95000	869.00	.2649	.2159	.2567	.1300-01	.1059-01	.1259-01	7.695	60.10	618.0
309	.50000	.00000	871.00	.4713	.3779	.4150	.2312-01	.1854-01	.2036-01	12.59	97.82	665.7
309	.50000	.50000-01	872.00	.3513	.2917	.3177	.1772-01	.1431-01	.1558-01	9.986	72.93	646.6
309	.50000	.10000-00	873.00	.2375	.1934	.2155	.1165-01	.9436-02	.1057-01	6.863	49.06	621.0
309	.50000	.20000	874.00	.1884	.1539	.1734	.9243-02	.7548-02	.8508-02	5.532	38.44	611.6
309	.50000	.30000	875.00	.1862	.1520	.1717	.9132-02	.7456-02	.8424-02	5.463	37.96	611.8
309	.50000	.40000	876.00	.2203	.1796	.2033	.1081-01	.8810-02	.9973-02	6.416	58.53	616.3
309	.50000	.50000	877.00	.3036	.2470	.2803	.1489-01	.1212-01	.1375-01	8.743	64.28	624.1
309	.50000	.60000	878.00	.2976	.2421	.2752	.1460-01	.1187-01	.1350-01	8.556	100.6	733.5
309	.55000	.00000	879.00	.5562	.4330	.4811	.2729-01	.2124-01	.2413-01	12.29	112.6	713.5
309	.60000	.00000	880.00	.5681	.4432	.4820	.3312-01	.2606-01	.2798-01	16.45	116.4	713.5
309	.60000	.25000-01	881.00	.6752	.5313	.5703	.1970-01	.1568-01	.1722-01	10.34	93.48	685.2
309	.60000	.50000-01	882.00	.4015	.3196	.3511	.2028-01	.1626-01	.1815-01	11.02	77.08	666.5
309	.60000	.75000-01	883.00	.4134	.3314	.3693	.1546-01	.1251-01	.1405-01	8.828	60.54	639.0
309	.60000	.10000-00	884.00	.3152	.2551	.2863	.1059-01	.8629-02	.9759-02	6.274	43.47	617.5
309	.60000	.20000	885.00	.2158	.1759	.1983	.1075-01	.8754-02	.9903-02	6.349	41.29	619.2
309	.60000	.30000	886.00	.2191	.1785	.2019	.1056-01	.8502-02	.9720-02	6.237	41.83	619.4
309	.60000	.40000	887.00	.2153	.1754	.1982	.1068-01	.8710-02	.9863-02	6.354	42.70	615.0
309	.60000	.50000	888.00	.2177	.1775	.2011	.1103-01	.9002-02	.1019-01	6.590	44.35	612.4
309	.60000	.60000	889.00	.2248	.1835	.2078	.1635-01	.1331-01	.1542-01	9.619	68.73	621.9
309	.60000	.70000	890.00	.3334	.2714	.3143	.1787-01	.1455-01	.1694-01	10.52	73.98	621.3
309	.60000	.80000	891.00	.3643	.2976	.3453	.1622-01	.1322-01	.1563-01	9.624	70.10	616.8
309	.60000	.90000	892.00	.3307	.2696	.3185	.1333-01	.1090-01	.1292-01	8.036	58.81	607.0
309	.60000	.95000	893.00	.2716	.2221	.2633	.1721-01	.1382-01	.1517-01	9.435	76.30	661.9
309	.65000	.00000	894.00	.3508	.2817	.3092	.8031-02	.6335-02	.7135-02	4.719	59.48	622.5
309	.70000	.00000	895.00	.1637	.1732	.1455	.1250-01	.1015-01	.1078-01	7.285	64.90	627.1
309	.70000	.25000-01	897.00	.2548	.2070	.2197	.1377-01	.1117-01	.1249-01	7.944	52.92	633.2
309	.70000	.50000-00	898.00	.2807	.2276	.2547	.1224-01	.9369-02	.1124-01	7.221	43.03	620.2
309	.70000	.75000	899.00	.2496	.2032	.2292	.1043-01	.8316-02	.9635-02	6.233	37.28	612.6
309	.70000	.90000	900.00	.2127	.1736	.1964	.1009-01	.8239-02	.9323-02	6.028	37.08	613.0
309	.70000	.95000	901.00	.2058	.1680	.1901	.1107-01	.9036-02	.1024-01	6.598	40.55	614.4
309	.70000	.00000	902.00	.2258	.1842	.2087	.1786-01	.1453-01	.1716-01	10.49	72.47	623.0
309	.70000	.30000	903.00	.3641	.2963	.3453	.1199-01	.9802-02	.1068-01	7.210	55.55	608.9
309	.70000	.60000	904.00	.3641	.2963	.3453	.1647-01	.1330-01	.1411-01	9.285	70.25	646.4
309	.75000	.25000-01	905.00	.3358	.2711	.2877	.1669-01	.1351-01	.1483-01	9.515	67.40	640.0
309	.75000	.50000-01	906.00	.3403	.2753	.3024	.1558-01	.1261-01	.1412-01	8.875	58.91	640.5
309	.75000	.75000	907.00	.3176	.2570	.2879	.1165-01	.9474-02	.1070-01	6.825	45.67	624.2
309	.75000	.00000	908.00	.2375	.1931	.2181	.1035-01	.8447-02	.9539-02	6.190	38.10	611.7
309	.75000	.30000	909.00	.2109	.1722	.1945						

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RV1L24)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(9TO) BTU/ R FT2SEC	4(1TO) BTU/ R FT2SEC	H(1TAM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
309	.75000	.40000	910.00	.2013	.1643	.1857	.9877-02	.8059-02	.9109-02	5.888	37.26	614.0
309	.75000	.60000	911.00	.2026	.1655	.1873	.9937-02	.8117-02	.9189-02	5.959	38.92	610.4
309	.75000	.80000	912.00	.4379	.3544	.4119	.2148-01	.1739-01	.2021-01	12.26	96.49	639.5
309	.75000	.90000	913.00	.3735	.3045	.3588	.1832-01	.1494-01	.1760-01	10.87	76.61	616.7
309	.75000	.95000	914.00	.2934	.2323	.2839	.1439-01	.1174-01	.1393-01	8.564	62.43	615.1
309	.80000	.00000	915.00	.2759	.2229	.2443	.1353-01	.1093 01	.1197-01	7.653	67.60	644.6
309	.80000	.20000	916.00	.2378	.1933	.2184	.1166-01	.9482-02	.1072-01	6.818	45.59	625.6
309	.80000	.40000	917.00	.2017	.1643	.1857	.9894-02	.8059-02	.9107-02	5.840	40.42	619.9
309	.80000	.60000	918.00	.3858	.3134	.3703	.1892-01	.1537-01	.1815-01	11.02	77.19	627.9
309	.85000	.00000	919.00	.3116	.2524	.2761	.1529-01	.1238-01	.1354-01	8.765	66.61	636.7
309	.85000	.20000	920.00	.2531	.2054	.2313	.1241-01	.1008-01	.1137-01	7.194	49.54	630.5
309	.85000	.40000	921.00	.2209	.1794	.2028	.1083-01	.8800-02	.9945-02	6.301	44.87	628.5
309	.90000	.00000	922.00	.1748	.1433	.1560	.8574-02	.7031-02	.7653-02	5.254	40.71	597.3
309	.90000	.20000	923.00	.2465	.2008	.2243	.1209-01	.9850-02	.1103-01	7.142	51.09	619.5
309	.90000	.40000	924.00	.2492	.2021	.2276	.1222-01	.9913-02	.1117-01	7.053	48.50	633.1
309	.90000	.60000	925.00	.2508	.2035	.2293	.1230-01	.9983-02	.1128-01	7.120	49.01	631.3
309	.90000	.80000	926.00	.2297	.1866	.2112	.1127-01	.9155-02	.1036-01	6.568	45.30	627.2
309	.90000	.00000	927.00	.4667	.3770	.4379	.2289-01	.1849-01	.2146-01	12.94	96.27	644.7
309	.90000	.20000	928.00	.3605	.2926	.3465	.1768-01	.1435-01	.1700-01	10.25	78.16	630.3
309	.95000	.00000	929.00	.9880-01	.8180-01	.8870-01	.4848-02	.4015-02	.4352-02	3.140	23.11	562.3
309	.95000	.20000	930.00	.1632	.1343	.1463	.8028-02	.6589-02	.7200-02	5.001	35.20	585.6
309	.95000	.40000	931.00	.1847	.1513	.1680	.9059-02	.7420-02	.8242-02	5.512	39.77	601.7
309	.95000	.60000	932.00	.2122	.1730	.1947	.1041-01	.8487-02	.9552-02	6.183	4.53	616.0
309	.95000	.80000	933.00	.2266	.1858	.2100	.1121-01	.9115-02	.1030-01	6.555	45.25	625.4
309	.95000	.00000	934.00	.1718	.1401	.1584	.8428-02	.6874-02	.7771-02	5.010	35.90	615.7
309	.95000	.20000	935.00	.4488	.3626	.4161	.2202-01	.1779-01	.2041-01	12.44	89.39	645.0
309	.95000	.40000	936.00	.4367	.3541	.4132	.2142-01	.1737-01	.2027-01	12.35	87.72	633.7
309	.95000	.60000	937.00	.3164	.2580	.3041	.1552-01	.1266-01	.1492-01	9.227	67.25	615.6

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

ALPHA = 20.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BOFLAP = 22.00 MACH = 8.000

PARAMETRIC DATA

TEST CONDITIONS

PHI	PO	P	TO	T	Q	V	RHO
MODEL	PSIA	PSIA	DEG. R	DEG. R	PSIA	FT/SEC	SLUGS
DEG.							/FT3
180.0	110.2	.1200-01	1257.	93.20	.5350	3737.	.1103-04
180.0	110.5	.1200-01	1258.	93.30	.5370	3740.	.1104-04

TEST DATA

YAW	ALPHA	RN/L	MACH	BTU/ R	HREF	X/C	T/C NO	H/HREF	H/HREF	H(9TO)	H(TO)	H(TAW)	ODOT	DTWOT	TW
DEG.	DEG.	X10 6		FT2SEC	R=1.0			R=0.9	(TAW)	BTU/ R	BTU/ R	BTU/ R	BTU/ FT2SEC	DEG. R	DEG R
		/FT												/SEC	
258	7.900	.5493	20.00	.0000	.3120-01	.00000	845.00	.3780-01	.3190-01	.6763-03	.5576-03	.5698-03	.4000	4.461	541.2
259	7.900	.5495	19.99	.0000	.8650-01	.50000-01	845.00	.1052	.1034	.1883-02	.1548-02	.1850-02	1.095	12.16	550.7
259	7.900	.5495	19.99	.0000	.7340-01	.10000+00	847.00	.8920-01	.8220-01	.1596-02	.1314-02	.1577-02	.9340	7.987	547.5
259	7.900	.5495	19.99	.0000	.6750-01	.20000	848.00	.8200-01	.8170-01	.1466-02	.1208-02	.1462-02	.8620	6.189	544.9
259	7.900	.5495	19.99	.0000	.4430-01	.40000	850.00	.5370-01	.5400-01	.9512-03	.7917-03	.9664-03	.5650	4.061	544.5
259	7.900	.5495	19.99	.0000	.3240-01	.50000	851.00	.3930-01	.3580-01	.7036-03	.5796-03	.7126-03	.4140	3.074	544.1
259	7.900	.5495	19.99	.0000	.3090-01	.60000	852.00	.3740-01	.3790-01	.6699-03	.5520-03	.6782-03	.3950	2.933	543.2
259	7.900	.5495	19.99	.0000	.2440-01	.70000	853.00	.2960-01	.3000-01	.5292-03	.4363-03	.5365-03	.3130	2.249	541.8
259	7.900	.5495	19.99	.0000	.2620-01	.80000	854.00	.3180-01	.3240-01	.5685-03	.4689-03	.5793-03	.3370	2.504	540.5
259	7.900	.5495	19.99	.0000	.2380-01	.90000	855.00	.2890-01	.3000-01	.5167-03	.4265-03	.5359-03	.3070	2.253	537.6
259	7.900	.5495	19.99	.0000	.2110-01	.95000	856.00	.2550-01	.2670-01	.4566-03	.3770-03	.4721-03	.2720	1.966	535.9
259	7.900	.5495	19.99	.0000	.1645	.00000	857.00	.9320-01	.7640-01	.1668-02	.1372-02	.1403-02	.8331	8.331	548.3
259	7.900	.5495	19.99	.0000	.1645	.00000	858.00	.2010	.1684	.3595-02	.2946-02	.3012-02	2.052	20.59	561.9
259	7.900	.5495	19.99	.0000	.2814	.50000-01	859.00	.3434	.3705	.6143-02	.5035-02	.5912-02	3.511	25.02	561.0
259	7.900	.5495	19.99	.0000	.1579	.10000+00	860.00	.1922	.1637	.3438-02	.2824-02	.3394-02	1.991	14.25	553.2
259	7.900	.5495	19.99	.0000	.7700-01	.20000	861.00	.9360-01	.9420-01	.1674-02	.1378-02	.1685-02	.9790	7.257	547.7
259	7.900	.5495	19.99	.0000	.6000-01	.30000	862.00	.7280-01	.7370-01	.1303-02	.1073-02	.1319-02	.7640	5.486	546.1
259	7.900	.5495	19.99	.0000	.4740-01	.40000	863.00	.5760-01	.5830-01	.1030-02	.8484-03	.1043-02	.6010	4.650	544.6
259	7.900	.5495	19.99	.0000	.4800-01	.50000	864.00	.5820-01	.5880-01	.1041-02	.8583-03	.1052-02	.6150	4.158	541.6

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL25)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTOT DEG. R /SEC	TN DEG. R
259	40000	70000	865.00	.5850-01	.4820-01	.5920-01	.1046-02	.8625-03	.1059-02	.6180	4.173	542.3
259	40000	75000	866.00	.4890-01	.4030-01	.4970-01	.8750-03	.7213-03	.8890-02	.5170	3.842	541.8
259	40000	85000	867.00	.5700-01	.4700-01	.5880-01	.1021-02	.8416-03	.1052-02	.6040	4.569	540.8
259	40000	90000	868.00	.4530-01	.3780-01	.4790-01	.8201-03	.6766-03	.8576-03	.4870	4.180	539.1
259	40000	95000	869.00	.3700-01	.3060-01	.3900-01	.6628-03	.5470-03	.6969-03	.3940	3.203	537.9
259	50000	00000	871.00	.5612	.4557	.4664	.1004-01	.8153-02	.8344-02	5.456	44.02	589.1
259	50000	50000-01	872.00	.3004	.2464	.2909	.5374-02	.4408-02	.5203-02	3.085	23.52	588.6
259	50000	10000+00	873.00	.1656	.1362	.1649	.2962-02	.2436-02	.2950-02	1.726	12.77	550.0
259	50000	20000	874.00	.1193	.9820-01	.1204	.2135-02	.1758-02	.2153-02	1.252	8.990	546.0
259	50000	30000	875.00	.1021	.8410-01	.1032	.1827-02	.1504-02	.1847-02	1.071	7.688	546.4
259	50000	40000	876.00	.8270-01	.7300-01	.8970-01	.1586-02	.1306-02	.1605-02	.9310	6.684	545.7
259	50000	50000	877.00	.6950-01	.5730-01	.7040-01	.1243-02	.1024-02	.1259-02	7.320	5.097	543.7
259	50000	60000	878.00	.4570-01	.3770-01	.4640-01	.8178-03	.6748-03	.8255-03	3.805	3.805	538.9
259	55000	00000	879.00	.5559	.4485	.4593	.9945-02	.8023-02	.8217-02	5.226	43.40	607.0
259	55000	00000	880.00	.4048	.3282	.3360	.7242-02	.5871-02	.6010-02	3.903	35.35	593.6
259	60000	25000-01	881.00	.4629	.3776	.4363	.8282-02	.6755-02	.7806-02	4.612	34.87	575.7
259	60000	50000-01	882.00	.2526	.2069	.2453	.4519-02	.3701-02	.4388-02	2.564	18.91	563.4
259	60000	75000-01	883.00	.2492	.2045	.2468	.4459-02	.3658-02	.4415-02	2.572	24.67	557.4
259	60000	10000+00	884.00	.1782	.1465	.1782	.3189-02	.2622-02	.3189-02	1.855	13.29	550.7
259	60000	20000	885.00	.8430-01	.6950-01	.8520-01	.1508-02	.1243-02	.1524-02	8.890	6.394	543.0
259	60000	30000	886.00	.6720-01	.5540-01	.6790-01	.1203-02	.9914-03	.1216-02	7.100	4.797	542.3
259	60000	40000	887.00	.6050-01	.4990-01	.6110-01	.1083-02	.8923-03	.1093-02	6.380	4.444	543.3
259	60000	50000	888.00	.6190-01	.5100-01	.6260-01	.1107-02	.925-03	.1121-02	6.530	4.554	542.3
259	60000	60000	889.00	.5810-01	.4790-01	.5890-01	.1040-02	.8575-03	.1053-02	6.150	4.285	541.6
259	60000	80000	891.00	.5410-01	.4460-01	.5580-01	.1072-02	.7985-03	.9983-03	5.730	4.264	540.6
259	60000	95000	892.00	.5990-01	.4940-01	.6200-01	.9683-03	.6841-03	.1109-02	6.350	4.652	539.6
259	60000	90000	893.00	.4750-01	.3920-01	.4370-01	.8492-03	.7008-03	.8894-03	5.050	3.823	538.1
259	60000	95000	894.00	.3500-01	.2890-01	.3680-01	.6269-03	.5177-03	.6591-03	3.740	2.834	536.3
259	65000	00000	895.00	.3503	.2849	.2915	.6267-02	.5096-02	.5215-02	3.434	28.83	584.6
259	70000	00000	896.00	.1867	.1524	.1553	.3339-02	.2726-02	.2788-02	1.867	24.11	573.4
259	70000	25000-01	897.00	.2284	.1873	.2149	.4088-02	.3351-02	.3844-02	2.345	21.60	558.7
259	70000	50000-01	898.00	.1559	.1282	.1555	.2789-02	.2294-02	.2783-02	1.629	11.31	548.5
259	70000	75000	899.00	.1093	.9000-01	.1011	.1955-02	.1611-02	.1970-02	1.151	7.120	544.1
259	70000	10000+00	900.00	.8130-01	.6700-01	.8230-01	.1454-02	.1350-02	.1472-02	8.590	5.325	541.6
259	70000	20000	901.00	.9220-01	.7600-01	.9330-01	.1650-02	.1508-02	.1670-02	9.730	6.196	543.0
259	70000	30000	902.00	.1023	.8430-01	.1035	.1830-02	.1508-02	.1854-02	1.077	6.858	544.0
259	70000	40000	903.00	.4870-01	.4020-01	.5090-01	.8709-03	.7188-03	.9106-03	5.180	3.734	537.8
259	75000	00000	904.00	.2355	.1933	.1977	.4213-02	.3459-02	.3536-02	2.431	19.23	555.6
259	75000	25000-01	905.00	.3764	.3071	.3523	.6734-02	.5495-02	.6311-02	2.958	29.45	574.5
259	75000	50000-01	906.00	.2964	.2351	.2801	.5124-02	.4207-02	.5011-02	3.758	21.84	555.3
259	75000	10000+00	907.00	.1954	.1614	.1963	.3513-02	.2888-02	.3506-02	2.043	14.17	551.1
259	75000	20000	908.00	.1025	.8440-01	.1033	.1834-02	.1511-02	.1849-02	1.079	7.515	543.9
259	75000	30000	909.00	.7730-01	.6360-01	.7810-01	.1383-02	.1141-02	.1397-02	8.190	5.221	540.6

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-498) COLLAT ON DECK

DATE 25 AUG 76

OH-498 (AEDC V41B-57A) 0981TER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9T0) BTU/ R FT2SEC	H(10T) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
259	.75000	.40000	910.00	.6440-01	.5310-01	.6513-01	.1153-02	.9505-03	.1165-02	.6820	4.477	540.7
259	.75000	.60000	911.00	.6070-01	.5010-01	.6153-01	.1086-02	.8957-03	.1099-02	.6440	4.360	539.2
259	.75000	.80000	912.00	.8680-01	.7150-01	.8953-01	.1553-02	.1280-02	.1600-02	.6440	5.557	543.0
259	.75000	.90000	913.00	.7150-01	.5900-01	.7473-01	.1279-02	.1056-02	.1337-02	.7600	5.567	538.4
259	.75000	.95000	914.00	.5030-01	.4130-01	.5253-01	.8944-03	.7383-03	.9395-03	.5320	4.033	537.5
259	.80000	.00000	915.00	.3496	.2848	.2914	.6255-02	.5094-02	.5212-02	3.454	31.49	580.3
259	.80000	.20000	916.00	.1298	.1061	.1293	.2303-02	.1898-02	.2323-02	1.357	9.453	543.3
259	.80000	.40000	917.00	.8120-01	.6700-01	.8203-01	.1453-02	.1198-02	.1467-02	.8580	6.172	542.1
259	.80000	.60000	918.00	.4650-01	.3880-01	.4903-01	.8399-03	.6934-03	.8774-03	.5000	3.668	536.8
259	.85000	.00000	919.00	.4112	.3348	.3426	.7356-02	.5989-02	.6128-02	4.058	31.70	580.8
259	.85000	.20000	920.00	.1299	.1070	.1307	.2323-02	.1914-02	.2338-02	1.366	9.815	544.5
259	.85000	.40000	921.00	.9810-01	.8080-01	.9893-01	.1754-02	.1445-02	.1769-02	1.034	7.679	543.3
259	.90000	.00000	922.00	.2554	.2092	.2133	.4570-02	.3743-02	.3827-02	2.602	20.50	563.2
259	.90000	.20000	923.00	.1981	.1630	.1984	.3545-02	.2916-02	.3549-02	2.069	15.33	546.8
259	.90000	.40000	924.00	.1415	.1165	.1422	.2532-02	.2085-02	.2543-02	1.485	10.66	546.2
259	.90000	.60000	925.00	.1201	.9900-01	.1210	.2149-02	.1771-02	.2165-02	1.267	9.108	543.0
259	.90000	.80000	926.00	.9533-01	.7850-01	.9623-01	.1705-02	.1405-02	.1721-02	1.005	7.228	542.9
259	.90000	.00000	927.00	.7380-01	.6080-01	.7593-01	.1320-02	.1088-02	.1358-02	.7800	6.107	541.3
259	.95000	.00000	928.00	.6360-01	.5250-01	.6663-01	.1139-02	.9395-03	.1192-02	.6760	5.394	538.7
259	.95000	.20000	929.00	.1575	.1296	.1324	.2818-02	.2318-02	.2369-02	1.645	12.19	548.8
259	.95000	.40000	930.00	.1968	.1618	.1923	.3521-02	.2894-02	.3452-02	2.046	14.65	551.5
259	.95000	.60000	931.00	.1732	.1425	.1724	.3098-02	.2549-02	.3005-02	1.810	13.41	548.5
259	.95000	.80000	932.00	.1574	.1296	.1584	.2816-02	.2319-02	.2834-02	1.652	11.49	544.4
259	.95000	.00000	933.00	.1265	.1042	.1276	.2263-02	.1864-02	.2282-02	1.331	9.562	541.9
259	.95000	.20000	934.00	.8570-01	.7060-01	.8663-01	.1532-02	.1263-02	.1549-02	.9050	6.729	541.5
259	.95000	.40000	935.00	.8380-01	.6910-01	.8543-01	.1508-02	.1244-02	.1528-02	.8870	6.704	540.0
259	.95000	.60000	936.00	.8430-01	.6950-01	.8723-01	.1508-02	.1244-02	.1528-02	.8930	6.648	540.0
259	.95000	.80000	937.00	.5710-01	.4710-01	.5973-01	.1022-02	.8435-03	.1068-02	.6080	4.608	537.4

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1125)

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
 BOFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	P2 PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
276	7.940	1.020	19.97	.0000	180.0	210.3	.2300-01	1269.	93.30	1.000	3758.	.2039-04
277	7.940	1.020	19.96	.0000	180.0	209.3	.2300-01	1265.	93.00	.960	3752.	.2036-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
276	.7510-07	.2446-01	.2446-01	6.0175
277	.7486-07	.2423-01	.2423-01	.4029-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(19T) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
277	.30000	.00000	245.00	.3840-01	.3170-01	.3243-01	.9364-03	.7744-03	.7910-03	.5660	6.338	534.2
277	.30000	.50000-01	846.00	.10-9	.8640-01	.1031	.2558-02	.2107-02	.2514-02	1.513	16.82	547.5
277	.30000	.10000+00	847.00	.9520-01	.7850-01	.9413-01	.2322-02	.1916-02	.2295-02	1.387	11.90	541.5
277	.30000	.20000	848.00	.8050-01	.6650-01	.8033-01	.1964-02	.1632-02	.1960-02	1.179	8.494	538.7
277	.30000	.40000	850.00	.5090-01	.4200-01	.5113-01	.1241-02	.1024-02	.1247-02	.7440	5.364	538.8
277	.30000	.50000	851.00	.3920-01	.3240-01	.3973-01	.9567-03	.7903-03	.9689-03	.5750	4.282	538.0
277	.30000	.60000	852.00	.3640-01	.3010-01	.3693-01	.8886-03	.7342-03	.8995-03	.5350	3.986	537.0
277	.30000	.70000	853.00	.3320-01	.2750-01	.3373-01	.8101-03	.6696-03	.8211-03	.4890	3.528	535.5
277	.30000	.80000	854.00	.3090-01	.2560-01	.3153-01	.7543-03	.6238-03	.7684-03	.4560	3.404	534.2
277	.30000	.90000	855.00	.3060-01	.2530-01	.3183-01	.7463-03	.6178-03	.7511-03	.4540	3.340	530.4
277	.30000	.95000	856.00	.2700-01	.2240-01	.2823-01	.6582-03	.5452-03	.6877-03	.4020	2.911	528.3
277	.35000	.00000	857.00	.9590-01	.7910-01	.8093-01	.2340-02	.1930-02	.1972-02	1.395	11.96	542.8
277	.40000	.00000	858.00	.2050	.1689	.1727	.5025-02	.4119-02	.4211-02	2.890	28.98	563.7
277	.40000	.50000-01	859.00	.3479	.2853	.3449	.8466-02	.6358-02	.8168-02	4.890	34.82	562.6
277	.40000	.10000+00	860.00	.1937	.1595	.1914	.4726-02	.3890-02	.4667-02	2.785	19.96	549.6
277	.40000	.20000	861.00	.9410-01	.7760-01	.9473-01	.2295-02	.1893-02	.210-02	1.369	10.17	542.5
277	.40000	.30000	862.00	.7040-01	.5810-01	.7130-01	.1718-02	.1418-02	.1735-02	1.027	7.397	540.7
277	.40000	.40000	863.00	.5340-01	.4410-01	.5413-01	.1303-02	.1076-02	.1320-02	.7820	6.024	538.8
277	.40000	.50000	864.00	.5250-01	.4340-01	.5300-01	.1280-02	.1059-02	.1293-02	.7740	5.252	534.2

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OH-45B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL25)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1GTO BTU/ R FT/SEC	H1C10 BTU/ R FT/SEC	H1TAW BTU/ R FT/SEC	ODOT BTU/ R FT/SEC	DTWOT DEG. R /SEC	TH DEG. R
277	40000	70000	865.00	.5250-01	.4340-01	.5310-01	.1280-02	.1058-02	.1295-02	.7720	5.237	535.4
277	40000	75000	866.00	.4640-01	.3830-01	.4710-01	.1131-02	.9350-03	.1149-02	.6840	5.102	534.2
277	40000	80000	867.00	.5500-01	.4550-01	.5670-01	.1343-02	.1110-02	.1384-02	.8120	6.167	533.8
277	40000	85000	868.00	.4310-01	.3570-01	.4510-01	.1052-02	.8705-03	.1099-02	.6380	5.504	532.0
277	40000	90000	869.00	.3460-01	.2870-01	.3640-01	.8449-03	.6995-03	.8878-03	.5140	4.195	530.3
277	50000	00000	871.00	.5654	.4579	.4689	.1379-01	.1117-01	.1143-01	7.439	59.70	599.5
277	50000	50000-01	872.00	.3008	.2470	.2914	.7338-02	.6025-02	.7107-02	4.260	32.49	558.4
277	50000	10000+00	873.00	.1684	.1388	.1677	.4106-02	.3385-02	.4090-02	2.439	18.10	545.0
277	50000	20000	874.00	.1217	.1004	.1220	.2599-02	.2450-02	.2995-02	1.773	12.75	541.9
277	50000	30000	875.00	.1064	.9780-01	.1076	.2599-02	.2450-02	.2624-02	1.551	11.16	541.4
277	50000	40000	876.00	.9340-01	.7710-01	.9450-01	.2277-02	.1880-02	.2301-02	1.365	9.833	539.5
277	50000	50000	877.00	.7040-01	.5820-01	.7330-01	.1717-02	.1419-02	.1739-02	1.032	7.211	537.8
277	50000	60000	878.00	.5030-01	.4160-01	.5100-01	.1226-02	.1014-02	.1243-02	.7440	5.848	532.3
277	50000	70000	879.00	.5358	.4324	.4429	.1309-01	.1055-01	.1080-01	6.863	56.78	614.7
277	50000	80000	880.00	.4299	.3474	.3557	.1049-01	.8475-02	.8677-02	5.592	50.34	605.6
277	60000	25000-01	881.00	.4777	.3693	.4502	.1155-01	.9436-02	.1098-01	6.497	48.99	581.3
277	60000	50000-01	882.00	.2576	.2111	.2502	.6284-02	.5149-02	.6104-02	3.607	34.57	564.9
277	60000	75000-01	883.00	.2565	.2108	.2541	.6258-02	.5149-02	.6104-02	3.644	26.89	556.5
277	60000	10000+00	884.00	.1913	.1576	.1917	.4665-02	.3844-02	.4666-02	2.761	13.81	547.1
277	60000	20000	885.00	.1013	.8370-01	.1024	.2470-02	.2041-02	.2497-02	1.486	10.71	537.5
277	60000	30000	886.00	.7050-01	.5820-01	.7230-01	.1719-02	.1421-02	.1737-02	1.036	7.023	536.2
277	60000	40000	887.00	.5810-01	.4680-01	.5950-01	.1441-02	.1191-02	.1455-02	.8690	6.072	536.1
277	60000	50000	888.00	.5840-01	.4930-01	.5910-01	.1424-02	.1177-01	.1442-02	.8590	6.009	535.6
277	60000	60000	889.00	.5530-01	.4570-01	.5630-01	.1348-02	.1115-02	.1365-02	.8150	6.114	534.7
277	60000	65000	891.00	.5550-01	.4590-01	.5720-01	.1354-02	.1120-02	.1395-02	.8190	6.114	533.9
277	60000	70000	892.00	.5930-01	.4830-01	.6110-01	.1440-02	.1191-02	.1490-02	.8730	6.414	532.6
277	60000	80000	893.00	.4750-01	.3940-01	.4380-01	.1160-02	.9601-03	.1214-02	.7060	5.367	530.3
277	60000	95000	894.00	.3390-01	.2810-01	.3160-01	.8271-03	.6851-03	.8688-03	.5050	3.845	528.3
277	60000	00000	895.00	.3520	.2650	.2925	.8585-02	.6975-02	.7138-02	4.706	39.39	590.8
277	60000	00000	896.00	.1841	.1503	.1537	.4492-02	.3666-02	.3750-02	2.524	32.53	577.0
277	60000	25000-01	897.00	.2259	.1856	.227	.5511-02	.4527-02	.5189-02	3.207	29.57	557.0
277	60000	10000+00	898.00	.1545	.1275	.1542	.3768-02	.3109-02	.3761-02	2.250	15.68	541.9
277	60000	20000	899.00	.1042	.6510-01	.1050	.2541-02	.2100-02	.2563-02	1.529	9.499	537.0
277	60000	30000	900.00	.8150-01	.6780-01	.8190-01	.1999-02	.1654-02	.2022-02	1.207	7.506	534.9
277	60000	40000	901.00	.8200-01	.6780-01	.8300-01	.2001-02	.1654-02	.2022-02	1.207	7.506	534.9
277	60000	50000	902.00	.1101	.9100-01	.1115	.2687-02	.2220-02	.2025-02	1.208	7.723	535.2
277	60000	60000	903.00	.5340-01	.4420-01	.5380-01	.1303-02	.1079-02	.1362-02	1.616	10.32	537.6
277	60000	70000	904.00	.2386	.1962	.2005	.5621-02	.4785-02	.5691-02	.7930	5.735	530.6
277	60000	80000	905.00	.3811	.3108	.3572	.9296-02	.7581-02	.8712-02	3.405	26.96	553.3
277	60000	90000	906.00	.2684	.2372	.2821	.9296-02	.7581-02	.8712-02	5.202	40.67	579.3
277	75000	25000-01	907.00	.2684	.2372	.2821	.7034-02	.5802-02	.6882-02	4.122	30.47	552.9
277	75000	50000-01	908.00	.1941	.1600	.1937	.4734-02	.3902-02	.4725-02	2.811	19.56	545.0
277	75000	10000+00	909.00	.1025	.8470-01	.1033	.2499-02	.2065-02	.2519-02	1.506	10.52	536.4
277	75000	20000	910.00	.7650-01	.6310-01	.7710-01	.1861-02	.1539-02	.1890-02	1.127	7.215	532.2

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OH-43B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTHOT DEG. R /SEC	TH DEG. R
277	.75000	.40000	910.00	.7040-01	.5820-01	.7120-01	.1718-02	.1420-02	.1735-02	1.039	6.840	534.2
277	.75000	.60000	911.00	.6860-01	.5680-01	.6950-01	.1673-02	.1384-02	.1694-02	1.014	6.888	532.7
277	.75000	.80000	912.00	.8840-01	.7310-01	.9110-01	.2157-02	.1783-02	.2222-02	1.301	10.78	535.6
277	.75000	.90000	913.00	.7070-01	.5850-01	.7390-01	.1725-02	.1428-02	.1802-02	1.049	7.711	531.0
277	.75000	.95000	914.00	.5160-01	.4280-01	.5420-01	.1260-02	.1043-02	.1322-02	.7680	5.843	529.3
277	.80000	.00000	915.00	.3574	.2907	.2975	.8718-02	.7090-02	.7255-02	4.805	43.64	587.8
277	.80000	.20000	916.00	.1290	.1065	.130	.3147-02	.2598-02	.3174-02	1.885	13.15	539.8
277	.80000	.40000	917.00	.8460-01	.7000-01	.8340-01	.2064-02	.1706-02	.2084-02	1.247	9.001	534.8
277	.80000	.60000	918.00	.7250-01	.6000-01	.7570-01	.1769-02	.1464-02	.1847-02	1.075	7.905	531.0
277	.85000	.00000	919.00	.4245	.3452	.3532	.1035-01	.8420-02	.8616-02	5.701	44.37	588.3
277	.85000	.20000	920.00	.1234	.1068	.1302	.3156-02	.2605-02	.3177-02	1.888	13.60	540.6
277	.85000	.40000	921.00	.9570-01	.7910-01	.9650-01	.2334-02	.1929-02	.2354-02	1.407	10.49	536.1
277	.90000	.00000	922.00	.2534	.2077	.2124	.6181-02	.5066-02	.5180-02	3.554	28.00	563.9
277	.90000	.10000+00	923.00	.1964	.1620	.1966	.4790-02	.3951-02	.4796-02	2.852	21.19	543.5
277	.90000	.20000	924.00	.1159	.1162	.1114	.3435-02	.2835-02	.3450-02	2.054	14.78	541.0
277	.90000	.30000	925.00	.9010-01	.7450-01	.9100-01	.2626-02	.2335-02	.2848-02	1.697	12.23	538.3
277	.90000	.50000	926.00	.8380-01	.6930-01	.8620-01	.2198-02	.1817-02	.2219-02	1.327	9.579	535.2
277	.90000	.80000	927.00	.6250-01	.5170-01	.6530-01	.2045-02	.1691-02	.2103-02	1.238	9.728	533.5
277	.95000	.00000	929.00	.1564	.1290	.1318	.3816-02	.3146-02	.3215-02	.9250	7.410	531.5
277	.95000	.50000-01	930.00	.1320	.1582	.1883	.4682-02	.3858-02	.4592-02	2.268	16.84	544.5
277	.95000	.10000+00	931.00	.1692	.1396	.1686	.4128-02	.3406-02	.4111-02	2.462	19.92	546.3
277	.95000	.20000	932.00	.1465	.1209	.1471	.3572-02	.2948-02	.3595-02	2.136	18.30	542.4
277	.95000	.30000	933.00	.1263	.1043	.1274	.3081-02	.2545-02	.3108-02	1.850	14.90	540.8
277	.95000	.50000	934.00	.8370-01	.6920-01	.8460-01	.2041-02	.1688-02	.2063-02	1.234	13.33	538.5
277	.95000	.70000	935.00	.6620-01	.7130-01	.8780-01	.2102-02	.1738-02	.2141-02	1.270	9.640	534.5
277	.95000	.80000	936.00	.8670-01	.7170-01	.8970-01	.2114-02	.1750-02	.2187-02	1.283	9.585	532.1
277	.95000	.90000	937.00	.5700-01	.4720-01	.5960-01	.1391-02	.1152-02	.1453-02	.8480	6.448	529.6

REPRODUCIBILITY OF THE
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LOWER WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1126)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 5.000 SPDRK = .0000
80FLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
260	7.900	.5436	30.06	.0000	180.0	109.4	.1200-01	1259.	93.40	.5310	3741.	.1093-04
261	7.900	.5415	29.99	.0000	180.0	109.0	.1200-01	1259.	93.40	.5290	3741.	.1088-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
260	.7519-07		.1780-01	0.0173
261	.7520-07		.1777-01	.5507-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(IGT) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
261	.30000	.00000	845.00	.3930-01	.3240-01	.3400-01	.6978-03	.5754-03	.6035-03	.4130	4.604	541.7
261	.30000	.50000-01	846.00	.1319	.1084	.1239	.2344-02	.1926-02	.2202-02	1.360	15.09	553.0
261	.30000	.10000+00	847.00	.1244	.1024	.1176	.2211-02	.1819-02	.2090-02	1.292	11.04	549.1
261	.30000	.20000	848.00	.1040	.8560-01	.9920-01	.1848-02	.1521-02	.1763-02	1.083	7.772	547.2
261	.30000	.40000	850.00	.6920-01	.5700-01	.6660-01	.1230-02	.1012-02	.1183-02	.7210	5.170	547.5
261	.30000	.50000	851.00	.5200-01	.4280-01	.5040-01	.9238-03	.7603-03	.8958-03	.5410	4.003	547.9
261	.30000	.60000	852.00	.4800-01	.3950-01	.4650-01	.8526-03	.7020-03	.8265-03	.5010	3.712	546.4
261	.30000	.70000	853.00	.4350-01	.3580-01	.4220-01	.7727-03	.6364-03	.7502-03	.4540	3.264	545.3
261	.30000	.80000	854.00	.4050-01	.3350-01	.3970-01	.7219-03	.5948-03	.7048-03	.4250	3.159	544.2
261	.30000	.90000	855.00	.3930-01	.3240-01	.3920-01	.6978-03	.5756-03	.6970-03	.4140	3.030	540.1
261	.30000	.00000	856.00	.3450-01	.2840-01	.3470-01	.6122-03	.5054-03	.6174-03	.3650	2.629	547.5
261	.35000	.00000	857.00	.9800-01	.8070-01	.8460-01	.1741-02	.1433-02	.1504-02	1.020	8.728	558.6
261	.40000	.00000	858.00	.1874	.1538	.1615	.3331-02	.2732-02	.2869-02	1.915	19.25	551.2
261	.40000	.50000-01	859.00	.3504	.2872	.3224	.6227-02	.5103-02	.5730-02	3.563	25.38	554.3
261	.40000	.10000+00	860.00	.2251	.1849	.2124	.4000-02	.3285-02	.3775-02	2.316	16.56	550.4
261	.40000	.20000	861.00	.1257	.1042	.1220	.2251-02	.1851-02	.2168-02	1.312	9.715	549.8
261	.40000	.30000	862.00	.1021	.8400-01	.9900-01	.1815-02	.1403-02	.1759-02	1.059	7.591	548.3
261	.40000	.40000	863.00	.8180-01	.6730-01	.7940-01	.1454-02	.1197-02	.1410-02	.8510	6.523	544.5
261	.40000	.50000	864.00	.7050-01	.5810-01	.6820-01	.1253-02	.1032-02	.1212-02	.7380	4.981	

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL26)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.3	H/HREF R=1.0	H/HREF (TAW)	H1GTO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
261	.75000	.40000	910.00	.1218	.1003	.1178	.2164-02	.1783-02	.2094-02	1.275	9.352	544.3
261	.75000	.60000	911.00	.1099	.8970-01	.1056	.1935-02	.1595-02	.1877-02	1.142	7.713	543.1
261	.75000	.80000	912.00	.1050	.8650-01	.1038	.1866-02	.1538-02	.1845-02	1.100	9.082	543.6
261	.75000	.90000	913.00	.8560-01	.7060-01	.8610-01	.1521-02	.1255-02	.1530-02	.9030	6.607	539.9
261	.75000	.95000	914.00	.6420-01	.5300-01	.6500-01	.1141-02	.9414-03	.1155-02	.6790	5.141	538.3
261	.80000	.00000	915.00	.3210	.2619	.2754	.5704-02	.4654-02	.4894-02	3.186	29.12	574.8
261	.80000	.20000	916.00	.1585	.1305	.1530	.2817-02	.2319-02	.2720-02	1.650	11.47	547.7
261	.80000	.40000	917.00	.1131	.9320-01	.1093	.2010-02	.1656-02	.1943-02	1.185	8.514	544.0
261	.80000	.60000	918.00	.9380-01	.7730-01	.9430-01	.1657-02	.1374-02	.1676-02	.9870	7.219	541.2
261	.85000	.00000	919.00	.3895	.3179	.3342	.6922-02	.5649-02	.5939-02	3.870	30.33	574.3
261	.85000	.20000	920.00	.1506	.1240	.1451	.2677-02	.2203-02	.2578-02	1.570	11.26	546.9
261	.85000	.40000	921.00	.1142	.9400-01	.1101	.2026-02	.1670-02	.1957-02	1.195	8.873	543.8
261	.90000	.00000	922.00	.2343	.1923	.2019	.4154-02	.3416-02	.3588-02	2.395	18.93	557.9
261	.90000	.20000	923.00	.2245	.1846	.2150	.3989-02	.3281-02	.3820-02	2.328	17.24	549.2
261	.90000	.40000	924.00	.1846	.1518	.1774	.3280-02	.2698-02	.3152-02	1.916	13.74	545.9
261	.90000	.60000	925.00	.1550	.1276	.1495	.2754-02	.2268-02	.2656-02	1.618	11.62	543.0
261	.90000	.80000	926.00	.1038	.8550-01	.1003	.1844-02	.1520-02	.1783-02	1.089	7.828	543.0
261	.90000	.90000	927.00	.9760-01	.8040-01	.9630-01	.1734-02	.1429-02	.1711-02	1.024	8.014	540.6
261	.95000	.00000	928.00	.8030-01	.6620-01	.8090-01	.1427-02	.1177-01	.1438-02	.8450	6.742	544.0
261	.95000	.20000	929.00	.1310	.1079	.1132	.2327-02	.1918-02	.2012-02	1.372	10.19	544.0
261	.95000	.40000	930.00	.1806	.1406	.1634	.3210-02	.2641-02	.3010-02	1.878	13.47	548.3
261	.95000	.60000	931.00	.1816	.1494	.1730	.3228-02	.2656-02	.3074-02	1.887	13.98	548.7
261	.95000	.80000	932.00	.1800	.1482	.1734	.3200-02	.2633-02	.3082-02	1.874	13.02	547.8
261	.95000	.90000	933.00	.1673	.1382	.1621	.2983-02	.2456-02	.2880-02	1.750	12.55	546.9
261	.95000	.00000	934.00	.1155	.9520-01	.1117	.2032-02	.1691-02	.1988-02	1.210	8.990	543.6
261	.95000	.20000	935.00	.9060-01	.7490-01	.8870-01	.1614-02	.1330-02	.1576-02	.9530	7.205	542.6
261	.95000	.40000	936.00	.9370-01	.7720-01	.9310-01	.1664-02	.1373-02	.1654-02	.9860	7.335	540.9
261	.95000	.60000	937.00	.6520-01	.5380-01	.6560-01	.1158-02	.9560-03	.1166-02	.6890	5.220	538.4

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AEDC VKF V41B-57A (OH-49B) COLLATION CHECK

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L26)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
 BDFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
278	7.940	30.03	.0000	180.0	208.5	.2200-01	1263.	92.80	.9900	3748.	.2027-04
279	7.940	30.01	.0000	180.0	209.5	.2300-01	1262.	92.80	.9940	3747.	.2038-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
278	.7473-07	.4037-01		0.0175
279	.7467-07	.4026-01		

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
279	.30000	.00000	845.00	.4000-01	.3310-01	.3470-01	.9748-03	.8056-03	.8446-03	.5860	6.558	534.8
279	.30000	.50000-01	846.00	.1294	.1064	.1216	.3152-02	.2593-02	.2962-02	1.845	20.49	550.6
279	.30000	.10000+00	847.00	.1240	.1022	.1172	.3022-02	.2489-02	.2856-02	1.782	15.25	546.4
279	.30000	.20000	848.00	.1030	.8490-01	.9830-01	.2510-02	.2069-02	.2396-02	1.488	10.70	543.1
279	.30000	.40000	850.00	.6110-01	.5030-01	.5880-01	.1488-02	.1227-02	.1432-02	.8810	6.333	543.9
279	.30000	.50000	851.00	.4940-01	.4070-01	.4790-01	.1204-02	.9923-03	.1167-02	.7140	5.301	543.2
279	.30000	.60000	852.00	.4440-01	.3660-01	.4310-01	.1083-02	.8328-03	.1050-02	.6430	4.778	542.6
279	.30000	.70000	853.00	.3950-01	.3260-01	.3840-01	.9629-03	.7945-03	.9351-03	.5730	4.127	540.6
279	.30000	.80000	854.00	.3950-01	.3260-01	.3840-01	.9629-03	.7945-03	.9351-03	.5730	4.127	540.6
279	.30000	.90000	855.00	.3950-01	.3260-01	.3840-01	.9629-03	.7945-03	.9351-03	.5730	4.127	540.6
279	.30000	.00000	856.00	.3950-01	.3260-01	.3840-01	.9629-03	.7945-03	.9351-03	.5730	4.127	540.6
279	.30000	.10000+00	857.00	.3950-01	.3260-01	.3840-01	.9629-03	.7945-03	.9351-03	.5730	4.127	540.6
279	.30000	.20000	858.00	.3950-01	.3260-01	.3840-01	.9629-03	.7945-03	.9351-03	.5730	4.127	540.6
279	.30000	.30000	859.00	.3950-01	.3260-01	.3840-01	.9629-03	.7945-03	.9351-03	.5730	4.127	540.6
279	.30000	.40000	860.00	.3950-01	.3260-01	.3840-01	.9629-03	.7945-03	.9351-03	.5730	4.127	540.6
279	.30000	.50000	861.00	.3950-01	.3260-01	.3840-01	.9629-03	.7945-03	.9351-03	.5730	4.127	540.6
279	.30000	.60000	862.00	.3950-01	.3260-01	.3840-01	.9629-03	.7945-03	.9351-03	.5730	4.127	540.6
279	.30000	.70000	863.00	.3950-01	.3260-01	.3840-01	.9629-03	.7945-03	.9351-03	.5730	4.127	540.6
279	.30000	.80000	864.00	.3950-01	.3260-01	.3840-01	.9629-03	.7945-03	.9351-03	.5730	4.127	540.6

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L26)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAK)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(14H) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
279	40000	70000	865.00	8010-01	6610-01	7770-01	1952-02	1610-02	1893-02	1.159	7.831	542.4
279	40000	75000	866.00	7020-01	5790-01	8230-01	1711-02	1411-02	1665-02	1.018	7.570	541.0
279	40000	85000	867.00	8350-01	6890-01	8260-01	2035-02	1679-02	1665-02	1.212	9.167	540.5
279	40000	90000	868.00	6840-01	5650-01	6890-01	1668-02	1777-02	1678-02	.9950	8.550	539.1
279	40000	95000	869.00	5720-01	4720-01	5800-01	1393-02	1150-02	1412-02	.8330	6.771	538.0
279	50000	100000	871.00	5509	4468	4705	1342-01	1089-01	1146-01	7.274	58.54	584.1
279	50000	50000-01	872.00	3493	2861	3232	8511-02	6971-02	7873-02	4.863	36.97	564.6
279	50000	10000+00	873.00	2037	1675	1940	4963-02	4082-02	4726-02	2.901	21.46	551.4
279	50000	20000	874.00	1359	1119	1312	3312-02	2727-02	3197-02	1.949	13.98	547.6
279	50000	30000	875.00	1147	9450-01	1110	2795-02	2302-02	2704-02	1.649	11.84	546.1
279	50000	40000	876.00	9570-01	7880-01	9270-01	2331-02	1921-02	2253-02	1.379	9.908	544.4
279	50000	50000	877.00	7040-01	5800-01	6820-01	1714-02	1414-02	1663-02	1.019	7.104	541.5
279	50000	60000	878.00	5670-01	4680-01	5510-01	1380-02	1140-02	1341-02	.8260	6.473	537.9
279	55000	70000	879.00	7160	5703	6025	1744-01	1389-01	1469-01	8.617	70.35	642.0
279	60000	80000	880.00	4539	3670	3867	1106-01	8940-02	9421-02	5.890	53.09	603.4
279	60000	881.00	881.00	5015	4082	4515	1222-01	9944-02	1100-01	6.742	50.76	584.2
279	60000	50000-01	882.00	2784	2277	2582	6782-02	5547-02	6290-02	3.843	36.75	589.4
279	60000	50000-01	883.00	2842	2330	2689	6925-02	5678-02	6552-02	3.978	29.29	561.5
279	60000	75000-01	884.00	2148	1757	2054	5233-02	4304-02	5005-02	3.060	21.91	551.2
279	60000	10000+00	885.00	1455	1199	1406	3545-02	2920-02	3430-02	2.092	15.02	546.0
279	60000	20000	886.00	1367	1126	1323	3331-02	2744-02	3223-02	1.963	13.24	546.6
279	60000	30000	887.00	1197	9350-01	1157	2916-02	2402-02	2819-02	1.718	11.95	546.8
279	60000	40000	888.00	1051	8650-01	1019	2561-02	2111-02	2482-02	1.516	10.56	543.9
279	60000	50000	889.00	8930-01	7350-01	8660-01	2175-02	1794-02	2109-02	1.293	9.012	541.5
279	60000	60000	891.00	8650-01	7150-01	8570-01	2110-02	1741-02	2082-02	1.255	9.337	541.1
279	60000	65000	892.00	8750-01	7220-01	8700-01	2132-02	1760-02	2119-02	1.272	9.313	539.3
279	60000	90000	893.00	7720-01	6380-01	7790-01	1881-02	1554-02	1897-02	1.126	8.537	537.1
279	60000	95000	894.00	5710-01	4720-01	5790-01	1391-02	1150-02	1410-02	.8360	6.338	535.4
279	65000	10000	895.00	3382	2750	2694	8239-02	6700-02	7050-02	4.526	37.96	566.6
279	70000	20000	896.00	1639	1341	1405	3934-02	3267-02	3433-02	2.266	29.33	568.6
279	70000	25000-01	897.00	2351	1929	2119	5727-02	4700-02	5163-02	3.306	30.46	558.8
279	70000	30000	898.00	2200	1809	2095	5359-02	4409-02	5115-02	3.138	21.77	550.5
279	70000	35000	899.00	1799	1482	1735	4384-02	3611-02	4228-02	2.584	15.97	546.7
279	70000	40000	900.00	1440	1187	1395	3508-02	2892-02	3399-02	2.079	12.87	543.3
279	70000	45000	901.00	1240	1023	1201	3021-02	2491-02	2927-02	1.795	11.44	541.8
279	70000	50000	902.00	1058	8730-01	1027	2579-02	2127-02	2501-02	1.534	9.776	541.3
279	70000	55000	903.00	8530-01	7040-01	8590-01	2079-02	1716-02	2092-02	1.243	8.961	538.0
279	75000	60000	904.00	1971	1622	1702	4801-02	3951-02	4146-02	2.817	22.36	549.2
279	75000	65000-01	905.00	3483	2843	3124	8485-02	6926-02	7611-02	4.758	37.27	575.3
279	75000	70000	906.00	3001	2464	2806	7311-02	6004-02	6836-02	4.239	31.28	566.2
279	75000	75000	907.00	2311	1901	2205	5630-02	4631-02	5374-02	3.294	22.85	550.9
279	75000	80000	908.00	1390	1146	1342	3388-02	2792-02	3269-02	2.003	13.94	544.6
279	75000	85000	909.00	1315	1085	1272	3204-02	2644-02	3100-02	1.907	12.16	540.8

AEDC VKF V41B-57A (OH-198) COLLATION DECK

OH-43B (AEDC V41B-57A) OFBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	L/HREF R=1.0	H/HREF (TAW)	H(19TO) BTU/ R F12SEC	H(1TO) BTU/ R F12SEC	H(1TAN) BTU/ R F12SEC	QDOT BTU/ R F12SEC	DTMDT DEG. R /SEC	TM DEG. R
279	.75000	.40000	910.00	.1219	.1005	.1179	.2959-02	.2449-02	.2873-02	1.766	11.59	541.0
279	.75000	.60000	911.00	.1090	.9000-01	.1057	.2655-02	.2192-02	.2576-02	1.585	10.73	539.1
279	.75000	.80000	912.00	.1041	.8590-01	.1030	.2537-02	.2092-02	.2509-02	1.506	12.44	542.4
279	.75000	.90000	913.00	.8880-01	.7340-01	.8940-01	.2165-02	.1788-02	.2177-02	1.297	9.512	536.6
279	.75000	.95000	914.00	.6170-01	.5100-01	.6250-01	.1503-02	.1242-02	.1522-02	.9030	6.846	535.6
279	.80000	.00000	915.00	.3203	.2608	.2742	.7803-02	.6354-02	.6884-02	4.318	39.32	582.6
279	.80000	.20000	916.00	.1510	.1246	.1456	.3680-02	.3035-02	.3553-02	2.184	15.22	542.4
279	.80000	.40000	917.00	.1133	.9340-01	.1095	.2759-02	.2276-02	.2668-02	1.641	11.81	541.3
279	.80000	.60000	918.00	.9530-01	.7870-01	.9580-01	.2321-02	.1917-02	.2334-02	1.389	10.18	537.7
279	.85000	.00000	919.00	.3830	.3168	.3332	.9478-02	.7718-02	.8119-02	5.247	40.95	582.4
279	.85000	.20000	920.00	.1504	.1240	.1449	.3664-02	.3020-02	.3530-02	2.169	15.59	544.1
279	.85000	.40000	921.00	.1306	.1077	.1261	.3183-02	.2623-02	.3073-02	1.881	13.96	545.0
279	.90000	.00000	922.00	.2291	.1680	.1769	.5582-02	.4579-02	.4809-02	3.218	25.40	559.5
279	.90000	.20000	923.00	.1840	.1516	.1793	.4483-02	.3693-02	.4343-02	3.278	24.29	548.3
279	.90000	.30000	924.00	.1569	.1294	.1514	.3823-02	.3153-02	.3698-02	2.644	18.98	546.3
279	.90000	.50000	925.00	.1419	.1170	.1372	.3458-02	.2850-02	.3343-02	2.263	16.32	542.6
279	.90000	.80000	926.00	.1568	.1292	.1548	.3621-02	.3147-02	.3771-02	2.250	17.56	544.6
279	.90000	.90000	927.00	.1104	.9110-01	.1112	.2689-02	.2218-02	.2709-02	1.600	12.75	541.2
279	.95000	.00000	928.00	.1285	.1061	.1112	.3132-02	.2584-02	.2710-02	1.865	13.67	540.6
279	.95000	.20000	929.00	.1835	.1512	.1722	.4471-02	.3684-02	.4195-02	2.641	18.56	545.3
279	.95000	.40000	930.00	.1759	.1449	.1675	.4285-02	.3530-02	.4082-02	2.568	18.76	545.9
279	.95000	.60000	931.00	.1820	.1500	.1754	.4435-02	.3654-02	.4272-02	2.619	18.22	545.6
279	.95000	.80000	932.00	.1663	.1371	.1606	.4052-02	.3339-02	.3912-02	2.396	17.21	544.7
279	.95000	.00000	933.00	.1143	.9430-01	.1106	.2784-02	.2297-02	.2694-02	1.656	12.32	541.0
279	.95000	.20000	934.00	.1743	.1435	.1701	.4246-02	.3495-02	.4144-02	2.496	18.61	548.1
279	.95000	.40000	935.00	.1897	.1562	.1884	.4621-02	.3806-02	.4591-02	2.725	20.22	546.2
279	.95000	.60000	936.00	.1344	.1109	.1353	.3275-02	.2701-02	.3296-02	1.945	14.70	542.2

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL26)

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVT = 5.000 SPDGRK = .0000
 BOFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PC PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
294	7.980	1.969	30.04	.0000	180.0	429.4	.4500-01	1304.	94.90	1.993	3810.	.3951-04
295	7.980	1.968	30.06	.0000	180.0	430.6	.4500-01	1307.	95.20	1.998	3814.	.3953-04

RUN NUMBER	MJ	LB-SEC /FT ²	HREF BTU/ R	ST FR R =
294	.7644-07			0.0175
295	.7661-07			.2901-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAM) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
295	.30000	.00000	845.00	.4070-01	.3370-01	.3530-01	.1414-02	.1171-02	.1228-02	.8910	9.908	546.7
295	.30000	.50000-01	846.00	.1272	.1045	.1191	.4419-02	.3632-02	.4151-02	2.666	29.27	573.1
295	.30000	.10000+00	847.00	.1123	.9250-01	.1061	.3902-02	.3214-02	.3588-02	2.384	20.21	565.4
295	.30000	.20000	848.00	.1047	.8630-01	.9390-01	.3638-02	.3000-02	.3472-02	2.235	15.92	562.0
295	.30000	.40000	850.00	.5690-01	.4690-01	.5470-01	.1276-02	.1629-02	.1902-02	1.210	8.506	564.3
295	.30000	.50000	851.00	.4190-01	.3450-01	.4060-01	.1455-02	.1198-02	.1410-02	.8590	6.533	565.1
295	.30000	.60000	852.00	.4150-01	.3410-01	.4010-01	.1444-02	.1184-02	.1393-02	.8790	6.464	564.5
295	.30000	.70000	853.00	.4150-01	.3420-01	.4030-01	.1835-02	.1514-02	.1792-02	1.129	6.303	563.0
295	.30000	.80000	854.00	.6040-01	.4990-01	.6030-01	.2099-02	.1736-02	.2096-02	1.310	9.534	552.1
295	.30000	.90000	855.00	.5280-01	.4990-01	.6030-01	.1871-02	.1550-02	.1897-02	1.178	8.454	546.9
295	.30000	.50000	856.00	.5390-01	.4460-01	.5430-01	.3504-02	.2892-02	.3333-02	2.162	18.38	559.5
295	.35000	.00000	857.00	.1008	.8320-01	.8730-01	.6609-02	.5410-02	.5655-02	3.898	38.64	586.5
295	.40000	.00000	858.00	.1902	.1557	.1636	.1211-01	.9886-02	.1112-01	7.032	49.25	595.8
295	.40000	.50000-01	859.00	.3485	.2845	.3200	.7667-02	.6286-02	.7231-02	4.562	32.18	581.3
295	.40000	.10000+00	860.00	.2206	.1809	.2081	.4219-02	.3470-02	.4062-02	2.558	18.75	570.0
295	.40000	.20000	861.00	.1214	.9990-01	.1169	.3254-02	.2678-02	.3153-02	1.975	14.02	569.4
295	.40000	.30000	862.00	.9360-01	.7710-01	.9070-01	.2572-02	.2117-02	.2494-02	1.565	11.88	567.9
295	.40000	.40000	863.00	.7400-01	.6030-01	.7180-01	.2578-02	.2125-02	.2493-02	1.584	10.59	562.0
295	.40000	.50000	864.00	.7420-01	.6120-01	.7170-01						

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AEDC VKF V41B-57A (OH-49B) COLLATION CHECK

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(RV1126)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R FT2SEC	H(1T0) BTU/ R FT2SEC	H(1TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TM DEG. R
295	.40000	.70000	865.00	.8360-01	.6890-01	.8100-01	.2904-02	.2394-02	.2815-02	1.781	11.91	562.9
295	.40000	.75000	866.00	.7560-01	.6240-01	.7360-01	.2629-02	.2168-02	.2558-02	1.618	11.91	560.9
295	.40000	.85000	867.00	.9640-01	.7950-01	.9530-01	.3349-02	.2762-02	.3313-02	2.060	15.42	561.4
295	.40000	.90000	868.00	.8090-01	.6670-01	.8130-01	.2810-02	.2319-02	.2827-02	1.737	14.78	558.0
295	.40000	.95000	869.00	.6810-01	.5630-01	.6900-01	.2367-02	.1956-02	.2399-02	1.473	11.88	553.8
295	.50000	.00000	871.00	.5502	.4425	.4669	.1912-01	.1538-01	.1623-01	10.27	80.87	639.1
295	.50000	.00000-01	872.00	.3476	.2835	.3209	.1208-01	.9850-02	.1115-01	6.978	52.17	598.7
295	.50000	.10000+00	873.00	.2076	.1703	.1975	.7213-02	.5920-02	.6864-02	4.314	31.49	578.3
295	.50000	.20000	874.00	.1405	.1156	.1356	.4881-02	.4017-02	.4711-02	2.967	21.06	568.6
295	.50000	.30000	875.00	.1203	.9910-01	.1164	.4180-02	.3443-02	.4044-02	2.550	18.12	566.5
295	.50000	.40000	876.00	.9990-01	.8230-01	.9680-01	.3473-02	.2860-02	.3364-02	2.116	15.04	567.0
295	.50000	.50000	877.00	.7010-01	.5780-01	.6800-01	.2436-02	.2008-02	.2363-02	1.494	10.30	563.2
295	.50000	.60000	878.00	.6170-01	.5100-01	.6000-01	.2144-02	.1771-02	.2084-02	1.332	10.36	555.1
295	.50000	.70000	879.00	.6947	.5445	.5778	.2414-01	.1832-01	.2008-01	11.43	90.71	702.7
295	.60000	.00000	880.00	.4608	.3692	.3899	.1601-01	.1283-01	.1355-01	8.442	74.41	649.1
295	.60000	.25000-01	881.00	.5039	.4125	.4575	.1772-01	.1434-01	.1590-01	9.809	72.47	622.8
295	.60000	.50000-01	882.00	.2844	.2317	.2633	.9682-02	.8053-02	.9149-02	5.687	53.55	600.9
295	.60000	.75000-01	883.00	.2152	.2364	.2690	.1004-01	.8217-02	.9494-02	5.904	42.88	588.5
295	.60000	.10000+00	884.00	.1769	.1769	.2058	.7480-02	.6147-02	.7152-02	4.507	31.91	573.9
295	.60000	.20000	885.00	.1454	.1197	.1407	.5054-02	.4161-02	.4839-02	3.077	21.85	567.6
295	.60000	.30000	886.00	.1385	.1139	.1346	.4813-02	.3950-02	.4655-02	2.920	19.46	569.7
295	.60000	.40000	887.00	.1249	.1028	.1207	.4342-02	.3573-02	.4195-02	2.636	18.12	569.3
295	.60000	.50000	888.00	.1083	.8310-01	.1049	.3762-02	.3097-02	.3645-02	2.292	15.78	567.0
295	.60000	.60000	889.00	.9070-01	.7470-01	.8790-01	.3151-02	.2597-02	.3055-02	1.931	13.31	563.4
295	.60000	.80000	891.00	.6900-01	.7340-01	.8800-01	.3092-02	.2550-02	.3058-02	1.904	14.02	560.7
295	.60000	.85000	892.00	.5330-01	.7350-01	.9570-01	.3345-02	.2751-02	.3325-02	2.068	15.00	558.2
295	.60000	.90000	893.00	.8010-01	.6650-01	.8070-01	.2782-02	.2253-02	.2805-02	1.732	13.01	554.0
295	.60000	.95000	894.00	.5320-01	.4500-01	.6000-01	.2059-02	.1704-02	.2056-02	1.292	9.735	548.8
295	.60000	.00000	895.00	.3374	.2730	.2876	.1173-01	.9487-02	.9996-02	6.493	53.51	622.6
295	.70000	.00000	896.00	.1555	.1302	.1369	.5541-02	.4524-02	.4757-02	3.221	41.15	595.1
295	.70000	.25000-01	897.00	.2291	.1879	.2064	.7953-02	.6528-02	.7174-02	4.736	43.14	581.6
295	.70000	.10000+00	898.00	.2173	.1791	.2076	.7568-02	.6224-02	.7221-02	4.582	31.47	570.9
295	.70000	.20000	899.00	.1748	.1440	.1635	.6073-02	.5005-02	.5856-02	3.717	22.77	564.3
295	.70000	.30000	900.00	.1443	.1189	.1398	.5014-02	.4133-02	.4858-02	3.077	18.86	562.7
295	.70000	.40000	901.00	.1238	.1020	.1196	.4301-02	.3543-02	.4165-02	2.630	16.57	564.9
295	.70000	.50000	902.00	.1124	.9260-01	.1055	.3905-02	.3217-02	.3765-02	2.388	13.04	564.9
295	.70000	.60000	903.00	.1026	.8450-01	.1033	.3565-02	.2945-02	.3588-02	2.211	15.79	556.3
295	.70000	.70000	904.00	.2175	.1784	.1874	.7560-02	.6198-02	.6511-02	4.497	35.12	581.5
295	.75000	.00000	905.00	.3102	.2527	.2775	.1078-01	.8780-02	.9656-02	6.191	47.86	602.0
295	.75000	.25000-01	906.00	.2826	.2320	.2642	.9822-02	.8062-02	.9180-02	5.881	42.95	577.5
295	.75000	.50000-01	907.00	.2273	.1868	.2166	.7893-02	.6493-02	.7535-02	4.770	32.74	572.3
295	.75000	.10000+00	908.00	.1566	.1263	.1501	.5407-02	.4458-02	.5218-02	3.322	22.92	562.0
295	.75000	.20000	909.00	.1320	.1090	.1277	.4587-02	.3766-02	.4437-02	2.836	17.92	558.1

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

CH-498 (AEDC V41B-57A) OPB TER LOWER WING

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(RV1126)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9T0) BTU/ R FT2SEC	H(1T0) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	QDOT DEG. R /SEC	TW DEG. R
295	.75000	.40000	910.00	.1166	.9610-01	.1128	.4051-02	.3339-02	.3920-02	2.48	16.10	563.9
295	.75000	.60000	911.00	.1095	.9030-01	.1062	.3806-02	.3137-02	.3690-02	2.335	15.61	562.9
295	.75000	.80000	912.00	.1232	.1015	.1218	.4280-02	.3529-02	.4232-02	2.626	21.46	563.0
295	.75000	.90000	913.00	.1120	.9260-01	.1126	.3892-02	.3217-02	.3914-02	2.424	17.62	553.5
295	.75000	.95000	914.00	.8670-01	.7113-01	.8780-01	.3014-02	.2492-02	.3050-02	1.881	14.15	552.1
295	.80000	.00000	915.00	.3242	.2628	.2768	.1127-01	.9133-02	.9619-02	6.302	56.42	617.1
295	.80000	.20000	916.00	.2460	.2018	.2373	.8550-02	.7011-02	.8245-02	5.091	34.80	580.9
295	.80000	.40000	917.00	.1418	.1168	.1370	.4927-02	.4060-02	.4762-02	3.015	21.44	584.5
295	.80000	.60000	918.00	.1226	.1012	.1232	.4259-02	.3518-02	.4281-02	2.641	19.17	556.3
295	.85000	.00000	919.00	.4003	.3245	.3417	.1391-01	.1128-01	.1188-01	7.780	59.70	617.1
295	.85000	.20000	920.00	.2561	.2105	.2465	.8900-02	.7313-02	.8567-02	5.363	37.97	573.8
295	.85000	.40000	921.00	.3651	.2981	.3518	.1269-01	.1036-01	.1223-01	7.383	53.47	594.4
295	.90000	.00000	922.00	.2310	.1893	.1989	.8029-02	.6578-02	.8912-02	4.760	37.13	583.5
295	.90000	.20000	923.00	.2276	.1873	.2179	.7908-02	.6508-02	.7572-02	4.807	35.27	568.4
295	.90000	.40000	924.00	.1916	.1578	.1841	.6658-02	.5485-02	.6398-02	4.069	28.93	565.2
295	.90000	.60000	925.00	.2208	.1818	.2129	.7673-02	.6316-02	.7397-02	4.669	33.16	567.8
295	.90000	.80000	926.00	.3377	.2764	.3260	.1174-01	.9607-02	.1133-01	6.920	48.68	586.8
295	.90000	.00000	927.00	.3038	.2490	.2997	.1056-01	.8653-02	.1041-01	6.269	48.07	582.5
295	.90000	.20000	928.00	.2297	.1889	.2314	.7983-02	.6564-02	.8041-02	4.826	37.87	571.8
295	.95000	.00000	929.00	.1274	.1053	.1104	.4428-02	.3660-02	.3838-02	2.761	20.41	552.8
295	.95000	.50000-01	930.00	.1768	.1458	.1659	.6145-02	.5066-02	.5765-02	3.772	26.86	562.5
295	.95000	.10000-00	931.00	.1783	.1470	.1699	.6198-02	.5109-02	.5934-02	3.691	27.96	563.1
295	.95000	.20000	932.00	.1764	.1454	.1699	.6130-02	.5054-02	.5905-02	3.763	25.95	562.5
295	.95000	.30000	933.00	.1740	.1435	.1680	.6047-02	.4986-02	.5838-02	3.714	26.45	562.2
295	.95000	.50000	934.00	.1872	.1542	.1811	.6507-02	.5360-02	.6294-02	3.974	29.20	565.5
295	.95000	.70000	935.00	.2471	.2029	.2411	.8583-02	.7052-02	.8377-02	5.159	38.35	575.5
295	.95000	.80000	936.00	.2274	.1873	.2258	.7903-02	.6507-02	.7850-02	4.817	35.37	566.8
295	.95000	.90000	937.00	.1649	.1361	.1659	.5729-02	.4730-02	.5764-02	3.544	26.58	557.7

AEDC VKF V41B-57A (OH-49B) COLLATION: DECK
OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BDFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
326	7.990	2.982	30.07	.0000	180.0	675.1	.7000-01	1334.	96.90	3.115	3854.	.6036-04
327	7.990	2.976	30.08	.0000	180.0	674.9	.7000-01	1335.	97.00	3.115	3856.	.6028-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
326	.7102-07	.4354-01	0.0175
327	.7809-07	.4355-01	.2353-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAN BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
327	.30000	.00000	845.00	.3870-01	.3210-01	.3360-01	.1696-02	.1396-02	.1465-02	1.092	12.10	554.2
327	.30000	.50000-01	846.00	.1217	.9990-01	.1142	.5299-02	.4350-02	.4975-02	3.246	35.35	589.4
327	.30000	.10000+00	847.00	.1062	.8750-01	.1004	.4626-02	.3809-02	.4371-02	2.879	24.23	579.6
327	.30000	.20000	848.00	.1039	.8570-01	.9920-01	.4524-02	.3735-02	.4318-02	2.846	20.16	572.8
327	.30000	.40000	850.00	.5200-01	.4350-01	.5080-01	.2301-02	.1895-02	.2213-02	1.435	10.14	578.2
327	.30000	.50000	851.00	.4500-01	.3710-01	.4360-01	.1950-02	.1614-02	.1900-02	1.219	8.895	579.9
327	.30000	.60000	852.00	.5820-01	.4790-01	.5640-01	.2535-02	.2087-02	.2456-02	1.575	11.49	580.5
327	.30000	.70000	853.00	.8550-01	.7040-01	.8300-01	.3726-02	.3066-02	.3515-02	2.310	16.29	581.9
327	.30000	.80000	854.00	.1254	.1072	.1223	.5459-02	.4492-02	.5327-02	3.387	24.68	581.6
327	.30000	.90000	855.00	.1298	.1072	.1296	.5651-02	.4656-02	.5643-02	3.573	25.77	589.7
327	.30000	.95000	856.00	.1062	.8790-01	.1071	.4627-02	.3827-02	.4654-02	2.956	21.04	563.1
327	.35000	.00000	857.00	.9840-01	.8120-01	.8510-01	.4283-02	.3535-02	.3708-02	2.702	22.84	571.1
327	.40000	.00000	858.00	.1866	.1525	.1603	.8126-02	.6639-02	.6981-02	4.846	47.59	605.6
327	.40000	.3454	859.00	.3454	.2810	.3167	.1504-01	.1224-01	.1379-01	8.772	60.75	618.7
327	.40000	.50000-01	860.00	.2180	.1783	.2054	.9432-02	.7766-02	.8945-02	5.704	39.85	600.9
327	.40000	.10000+00	861.00	.9890-01	.9890-01	.1159	.5244-02	.4308-02	.5047-02	3.225	23.44	587.0
327	.40000	.20000	861.00	.9890-01	.7880-01	.9290-01	.5244-02	.4308-02	.5047-02	3.225	23.44	587.0
327	.40000	.30000	862.00	.9590-01	.7880-01	.9290-01	.4174-02	.3432-02	.4044-02	2.576	18.14	584.8
327	.40000	.40000	863.00	.7660-01	.6300-01	.7420-01	.3335-02	.2742-02	.3232-02	2.060	15.51	584.4
327	.40000	.60000	864.00	.9570-01	.7880-01	.9250-01	.4166-02	.3432-02	.4028-02	2.602	17.28	577.4

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (04-498) COLLATION DECK

DATE: 10/15/75

04-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(GTO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
327	.75000	.40000	.1192	.9800-01	.1153	.5190-02	.4269-02	.5019-02	3.214	20.66	582.6
327	.75000	.60000	.1176	.9880-01	.1140	.5121-02	.4217-02	.4964-02	3.189	21.15	579.2
327	.75000	.80000	.2012	.2669	.2669	.1176-01	.9631-02	.1162-01	7.101	55.28	588.2
327	.75000	.90000	.2898	.2390	.2914	.1262-01	.1036-01	.1269-01	7.738	45.09	586.2
327	.75000	.95000	.2274	.1869	.2302	.9903-02	.8138-02	.1002-01	6.098	72.07	644.2
327	.80000	.00000	.3359	.2710	.2857	.1463-01	.1180-01	.1244-01	8.158	70.71	623.0
327	.80000	.20000	.4190	.3404	.4033	.1824-01	.1482-01	.1756-01	10.56	32.07	591.5
327	.80000	.40000	.1719	.1410	.1660	.7485-02	.6142-02	.7227-02	4.570	55.86	595.8
327	.80000	.60000	.2573	.2437	.2969	.1295-01	.1061-01	.1302-01	7.848	74.37	642.2
327	.85000	.00000	.4025	.3249	.3426	.1752-01	.1415-01	.1492-01	9.810	70.09	617.4
327	.85000	.20000	.3973	.3235	.3817	.1730-01	.1408-01	.1662-01	10.12	82.29	627.7
327	.85000	.40000	.4619	.3748	.4445	.2011-01	.1632-01	.1935-01	11.55	45.64	601.2
327	.90000	.00000	.2556	.1846	.1940	.9824-02	.8037-02	.8448-02	5.902	45.93	584.9
327	.90000	.20000	.2349	.1931	.2249	.1023-01	.8410-02	.9793-02	6.313	51.24	597.7
327	.90000	.40000	.2783	.2279	.2671	.1212-01	.9926-02	.1163-01	7.324	67.64	616.5
327	.90000	.60000	.3827	.3116	.3681	.1667-01	.1357-01	.1603-01	9.756	63.99	604.1
327	.90000	.80000	.3956	.3222	.3814	.1723-01	.1403-01	.1661-01	10.09	66.89	604.1
327	.90000	.90000	.2782	.2769	.3340	.1475-01	.1206-01	.1455-01	8.817	56.80	597.0
327	.95000	.00000	.1251	.1034	.1065	.1212-01	.9925-02	.1221-01	7.329	25.57	563.6
327	.95000	.20000	.1806	.1488	.1694	.5447-02	.4505-02	.4723-02	3.477	34.80	576.1
327	.95000	.40000	.1839	.1515	.1752	.7862-02	.6479-02	.7375-02	4.920	36.47	578.2
327	.95000	.60000	.2164	.1781	.2084	.8003-02	.6597-02	.7627-02	4.996	39.95	581.6
327	.95000	.80000	.2822	.2310	.2720	.9425-02	.7755-02	.9074-02	5.847	51.82	598.8
327	.95000	.90000	.2736	.2239	.2643	.1229-01	.1006-01	.1184-01	7.411	51.72	600.6
327	.95000	.95000	.2589	.2121	.2525	.1191-01	.9749-02	.1151-01	7.164	50.25	596.2
327	.95000	.80000	.2475	.2033	.2457	.1127-01	.9237-02	.1099-01	6.829	48.12	587.4
327	.95000	.90000	.1882	.1550	.1854	.1078-01	.8852-02	.1070-01	6.622	37.97	578.0
327	.95000	.937.00				.8197-02	.6751-02	.8247-02	5.114		

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AEDC VKF V41B-57A (04-498) COLLATION DECK

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04-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL26)

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BOFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	FO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
302	8.000	3.751	30.05	.0000	180.0	861.0	.8800-01	1343.	97.40	3.951	3868.	.7501-04
303	8.000	3.735	30.07	.0000	180.0	861.5	.8800-01	1348.	97.70	3.953	3874.	.7581-04

RUN NUMBER	MJ	LB-SEC /FT2	ST FR R =
302	.7638-07	.4910-01	0.0175
303	.7663-07	.4914-01	.2101-01

TEST DATA

R/N NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
303	.30000	.00000	845.00	.4040-01	.3350-01	.3510-01	.1985-02	.1653-02	.1725-02	1.299	14.37	558.5
303	.30000	.50000-01	846.00	.1198	.9620-01	.1124	.5885-02	.4825-02	.5523-02	3.611	39.13	599.4
303	.40000	.10000-00	847.00	.1097	.9030-01	.1026	.5388-02	.4435-02	.5091-02	3.377	28.33	586.2
303	.30000	.20000	848.00	.1041	.8590-01	.9940-01	.5116-02	.4222-02	.4884-02	3.254	23.00	577.0
303	.30000	.40000	850.00	.5560-01	.4580-01	.5350-01	.2732-02	.2251-02	.2629-02	1.723	12.15	582.4
303	.30000	.50000	851.00	.5760-01	.4740-01	.5590-01	.2832-02	.2331-02	.2745-02	1.775	12.91	586.2
303	.30000	.60000	852.00	.9310-01	.7660-01	.9020-01	.4574-02	.3752-02	.4431-02	2.857	20.76	588.3
303	.30000	.70000	853.00	.1323	.1098	.1298	.6574-02	.5336-02	.6377-02	4.059	28.43	595.5
303	.30000	.80000	854.00	.1921	.1574	.1674	.9440-02	.7733-02	.9206-02	5.765	41.58	602.3
303	.30000	.90000	855.00	.174	.1435	.1743	.8579-02	.7062-02	.8566-02	5.340	38.11	590.5
303	.30000	.95000	856.00	.1399	.1153	.1411	.6875-02	.5666-02	.6932-02	4.341	30.62	581.6
303	.35000	.00000	857.00	.9950-01	.8250-01	.6250-01	.4910-02	.4054-02	.4252-02	3.133	26.43	575.0
303	.40000	.00000	858.00	.1687	.1540	.1619	.9271-02	.7565-02	.7955-02	5.541	54.16	615.3
303	.40000	.50000-01	859.00	.3448	.2759	.3158	.1694-01	.1375-01	.1552-01	9.848	67.77	631.7
303	.40000	.10000-00	860.00	.2228	.1820	.2099	.1095-01	.8945-02	.1031-01	6.585	45.76	611.6
303	.40000	.20000	861.00	.1223	.1004	.1177	.6011-02	.4934-02	.5785-02	3.712	26.87	595.4
303	.40000	.30000	862.00	.1003	.8240-01	.9720-01	.4929-02	.4049-02	.4774-02	3.055	21.42	593.3
303	.40000	.40000	863.00	.3580-01	.7050-01	.8310-01	.4214-02	.3462-02	.4084-02	2.615	19.61	592.5
303	.40000	.50000	864.00	.1237	.1017	.1195	.6077-02	.4997-02	.5874-02	3.790	25.02	589.3

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL26)

OH-49B (AEDC V41B-57A) CRBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(H2O) BTU/ R FT2SEC	H(H2O) BTU/ R FT2SEC	H(H2O) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
303	40000	70000	865.00	.1497	.1229	.1450	.7356-02	.6039-02	.7125-02	4.546	29.91	595.1
303	40000	75000	866.00	.1432	.1176	.1393	.7037-02	.5891-02	.6844-02	4.365	31.64	592.6
303	40000	85000	867.00	.2195	.1800	.2170	.1079-01	.8843-02	.1067-01	6.613	48.57	599.9
303	40000	90000	868.00	.1924	.1579	.1936	.9454-02	.7757-02	.9513-02	5.826	48.62	596.3
303	40000	95000	869.00	.1728	.1419	.1752	.8450-02	.6973-02	.8607-02	5.261	41.58	593.4
303	50000	00000	871.00	.3613	.2920	.4545	.2662-01	.2109-01	.2233-01	13.70	104.8	698.4
303	50000	50000-01	872.00	.2172	.1773	.3223	.1775-01	.1435-01	.1633-01	10.08	73.67	645.2
303	50000	10000-00	873.00	.1430	.1173	.2023	.1067-01	.8713-02	.1014-01	6.402	45.94	613.0
303	50000	20000	874.00	.1221	.1003	.1181	.6002-02	.4928-02	.6777-02	3.321	30.22	598.1
303	50000	30000	875.00	.1085	.0910-01	.1181	.5332-02	.4284-02	.5803-02	3.711	26.00	594.7
303	50000	40000	876.00	.1221	.1003	.1181	.5332-02	.4284-02	.5803-02	3.711	26.00	594.7
303	50000	50000	877.00	.1032	.08470-01	.1032	.5070-02	.4164-02	.5161-02	3.300	23.13	594.2
303	50000	60000	878.00	.1384	.1137	.1344	.6802-02	.5586-02	.6603-02	3.139	21.32	593.9
303	55000	00000	879.00	.6211	.4726	.5048	.3052-01	.2322-01	.2481-01	4.211	32.11	593.9
303	60000	00000	880.00	.4453	.3709	.3709	.1718-01	.1718-01	.1823-01	10.78	100.0	784.0
303	60000	25000-01	881.00	.5085	.4041	.4519	.2499-01	.1986-01	.2220-01	13.04	93.20	691.3
303	60000	50000-01	882.00	.2905	.2335	.2675	.1428-01	.1147-01	.1314-01	7.867	71.92	661.9
303	60000	75000-01	883.00	.2970	.2401	.2798	.1459-01	.1180-01	.1375-01	8.302	58.68	644.1
303	60000	10000-00	884.00	.2265	.1946	.2182	.1114-01	.9071-02	.1062-01	6.591	45.64	620.5
303	60000	20000	885.00	.1584	.1238	.1531	.7784-02	.6376-02	.7522-02	4.750	33.15	602.7
303	60000	30000	886.00	.1537	.1259	.1485	.7552-02	.6185-02	.7299-02	4.603	30.17	603.5
303	60000	40000	887.00	.1472	.1206	.1421	.7234-02	.5875-02	.6983-02	4.410	29.81	603.4
303	60000	50000	888.00	.1487	.1216	.1436	.7285-02	.5973-02	.7054-02	4.469	30.20	599.6
303	60000	60000	889.00	.1297	.1064	.1256	.6371-02	.5230-02	.6173-02	3.934	26.70	595.5
303	60000	80000	890.00	.2427	.1933	.2359	.1192-01	.9744-02	.1179-01	7.185	51.62	610.4
303	60000	85000	891.00	.2895	.2366	.2876	.1423-01	.1162-01	.1413-01	8.562	60.48	605.9
303	60000	90000	892.00	.2623	.2151	.2651	.1292-01	.1057-01	.1303-01	7.841	57.42	605.9
303	65000	00000	893.00	.2135	.1753	.2165	.1049-01	.8613-02	.1054-01	6.472	47.62	596.3
303	65000	894.00	894.00	.3160	.2428	.2671	.1553-01	.1242-01	.1312-01	8.374	67.34	673.7
303	70000	00000	895.00	.1603	.1299	.1369	.7878-02	.6385-02	.6725-02	4.539	36.81	636.9
303	70000	25000-01	896.00	.2337	.1901	.2056	.1148-01	.9340-02	.1070-01	6.743	60.10	625.9
303	70000	50000	897.00	.2179	.1776	.2074	.1071-01	.8723-02	.1019-01	6.367	42.72	618.4
303	70000	75000	898.00	.1877	.1536	.1807	.9221-02	.7546-02	.8878-02	5.598	33.59	605.9
303	70000	10000-00	899.00	.1562	.1281	.1512	.7676-02	.6212-02	.7335-02	4.706	28.70	601.0
303	70000	20000	900.00	.1543	.1264	.1493	.7560-02	.6212-02	.7335-02	4.639	28.70	601.0
303	70000	30000	901.00	.1281	.1076-01	.1260	.1076-01	.8800-02	.1042-01	6.513	40.16	607.6
303	70000	40000	902.00	.1791	.1493	.1791	.1505-01	.1229-01	.1515-01	9.016	62.58	614.0
303	70000	50000	903.00	.3063	.2501	.3083	.1130-01	.9244-02	.9715-02	6.858	52.91	605.9
303	75000	00000	904.00	.2299	.1881	.1977	.1825-01	.1468-01	.1623-01	10.11	75.98	659.2
303	75000	25000-01	905.00	.3714	.2987	.3303	.2031-01	.1643-01	.1888-01	11.60	82.10	641.8
303	75000	50000-01	906.00	.4133	.3344	.3943	.2031-01	.1643-01	.1888-01	10.44	69.22	642.4
303	75000	75000	907.00	.3723	.3011	.3517	.1002-01	.8190-02	.9654-02	6.037	40.56	610.6
303	75000	10000-00	908.00	.2040	.1667	.1965	.1002-01	.8190-02	.9654-02	6.037	40.56	610.6
303	75000	20000	909.00	.1380	.1133	.1334	.6783-02	.5566-02	.6554-02	4.183	25.94	596.3

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) OREITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NJ	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTAOT DEG. R /SEC	TW DEG. R
302	75000	.40000	910.00	.1303	.1069	.1260	.6404-02	.5251-02	.6189-02	3.932	25.07	598.9
303	75000	.60000	911.00	.2381	.1948	.2306	.1170-01	.9573-02	.1133-01	7.095	46.43	606.6
303	75000	.80000	912.00	.3444	.2799	.3402	.1692-01	.1375-01	.1672-01	9.897	78.33	628.2
303	75000	.90000	913.00	.3113	.2515	.3132	.1530-01	.1251-01	.1539-01	9.242	63.36	608.9
303	75000	.95000	914.00	.2345	.1920	.2374	.1152-01	.9433-02	.1167-01	7.012	51.39	604.4
303	80000	.00000	915.00	.3599	.2886	.3047	.1769-01	.1418-01	.1497-01	9.638	84.19	668.1
303	80000	.20000	916.00	.5039	.4064	.4843	.2476-01	.1997-01	.2380-01	13.91	91.87	651.2
303	80000	.40000	917.00	.2122	.1732	.2047	.1043-01	.8512-02	.1006-01	6.249	43.38	613.6
303	80000	.60000	918.00	.3105	.2534	.3123	.1526-01	.1245-01	.1534-01	9.120	64.30	615.4
303	85000	.00000	919.00	.4062	.3262	.3443	.1996-01	.1603-01	.1692-01	10.98	82.40	662.9
303	85000	.20000	920.00	.4552	.3679	.4366	.2237-01	.1808-01	.2145-01	13.60	86.79	645.4
303	85000	.40000	921.00	.4947	.3995	.4754	.2431-01	.1959-01	.2336-01	13.60	95.69	653.5
303	90000	.00000	922.00	.2262	.1845	.1940	.1111-01	.9065-02	.9534-02	6.627	50.86	616.7
303	90000	.10000+00	923.00	.2736	.2239	.2617	.1345-01	.1100-01	.1286-01	8.162	58.78	605.9
303	90000	.20000	924.00	.3937	.3190	.3770	.1935-01	.1568-01	.1852-01	11.13	76.37	637.7
303	90000	.30000	925.00	.4479	.3621	.4302	.2201-01	.1779-01	.2111-01	12.53	85.74	643.5
303	90000	.40000	926.00	.4172	.3378	.4018	.2050-01	.1660-01	.1974-01	11.75	80.54	639.9
303	90000	.50000	927.00	.3457	.2820	.3418	.1703-01	.1335-01	.1679-01	10.01	75.17	625.3
303	95000	.60000	928.00	.2906	.2410	.2979	.1453-01	.1184-01	.1464-01	8.548	66.34	617.7
303	95000	.70000	929.00	.1253	.1035	.1085	.6159-02	.5085-02	.5334-02	3.932	28.76	574.6
303	95000	.80000	930.00	.1841	.1513	.1725	.9044-02	.7437-02	.8477-02	5.640	39.62	589.4
303	95000	.90000	931.00	.2046	.1680	.1947	.1005-01	.8254-02	.9567-02	6.216	45.01	594.7
303	95000	.00000	932.00	.2988	.2441	.2873	.1469-01	.1199-01	.1412-01	8.816	59.32	612.6
303	95000	.10000	933.00	.3724	.3021	.3583	.1830-01	.1484-01	.1761-01	10.59	72.82	634.0
303	95000	.20000	934.00	.2554	.2114	.2651	.1457-01	.1186-01	.1406-01	8.608	61.50	622.0
303	95000	.30000	935.00	.2753	.2246	.2683	.1353-01	.1104-01	.1319-01	8.085	58.93	615.3
303	95000	.40000	936.00	.2636	.2157	.2618	.1295-01	.1060-01	.1286-01	7.854	56.53	606.7
303	95000	.50000	937.00	.2027	.1654	.2040	.9962-02	.8175-02	.1002-01	6.141	45.18	596.5

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL27)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 5.000 SPDBRK = .0000
 80FLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
262	7.900	.5464	39.99	.0000	180.0	110.2	.1200-01	1261.	93.50	.5350	3744.	.1099-04
263	7.900	.5408	40.06	.0000	180.0	109.0	.1200-01	1260.	93.50	.5290	3743.	.1088-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R	ST FR P =
262	.7529-07		FT2SEC	0.0175
263	.7526-07		.1787-01 .1777-01	.5481-01 .5510-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
263	.30000	.00000	845.00	.4500-01	.3720-01	.4040-01	.8006-03	.6606-03	.7172-03	.4760	5.315	539.7
263	.30000	.50000-01	846.00	.1510	.1241	.1360	.2683-02	.2206-02	.2417-02	1.565	17.38	550.9
263	.30000	.10000+00	847.00	.1316	.1633	.1191	.2339-02	.1924-02	.2117-02	1.369	11.70	549.0
263	.30000	.20000	848.00	.1271	.1047	.1161	.2259-02	.1860-02	.2064-02	1.327	9.527	546.7
263	.30000	.40000	850.00	.8190-01	.6740-01	.7540-01	.1455-02	.1157-02	.1340-02	.8520	6.106	549.0
263	.30000	.50000	851.00	.6900-01	.5670-01	.6390-01	.1225-02	.1008-02	.1137-02	.7170	5.309	549.4
263	.30000	.60000	852.00	.6380-01	.5450-01	.5920-01	.1134-02	.9334-03	.1051-02	.6650	4.925	548.3
263	.30000	.70000	853.00	.5950-01	.4910-01	.5540-01	.1060-02	.8726-03	.9843-03	.6220	4.465	547.3
263	.30000	.80000	854.00	.6420-01	.5290-01	.6000-01	.1142-02	.9401-03	.1063-02	.6710	4.980	546.2
263	.30000	.90000	855.00	.6250-01	.5170-01	.5980-01	.1113-02	.9180-03	.1036-02	.6610	4.842	539.8
263	.30000	.95000	856.00	.6030-01	.4980-01	.5830-01	.1072-02	.8857-03	.1036-02	.6410	4.622	536.8
263	.35000	.00000	857.00	.9780-01	.8050-01	.8760-01	.1739-02	.1432-02	.1556-02	1.023	8.758	546.0
263	.40000	.00000	858.00	.1718	.1411	.1535	.3054-02	.2509-02	.2728-02	1.770	17.83	554.6
263	.40000	.50000-01	859.00	.3425	.2810	.306	.4088-02	.4994-02	.5381-02	3.504	25.00	558.7
263	.40000	.10000+00	860.00	.2389	.1963	.2163	.4246-02	.3488-02	.3879-02	2.464	17.62	554.0
263	.40000	.20000	861.00	.1436	.1181	.1323	.2552-02	.2099-02	.2352-02	1.489	11.02	550.8
263	.40000	.30000	862.00	.1237	.1018	.1147	.2199-02	.1809-02	.2038-02	1.286	3.212	549.7
263	.40000	.40000	863.00	.1004	.8260-01	.9310-01	.1785-02	.1468-02	.1655-02	1.044	7.997	549.5
263	.40000	.60000	864.00	.8390-01	.6920-01	.7770-01	.1492-02	.1229-02	.1381-02	.8790	5.933	544.2

AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) OR3ITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
263	40000	70000	865.00	.8950-01	.7370-01	.8300-01	.1590-02	.1310-02	.1475-02	.9360	6.311	545.9
263	40000	75000	866.00	.7780-01	.6410-01	.7240-01	.1383-02	.1139-02	.1287-02	.8150	6.053	544.6
263	40000	85000	867.00	.9460-01	.7800-01	.8950-01	.1681-02	.1385-02	.1591-02	.9930	7.497	543.9
263	40000	90000	868.00	.7850-01	.6470-01	.7560-01	.1394-02	.1150-02	.1343-02	.8260	7.082	542.1
263	40000	95000	869.00	.6830-01	.5640-01	.6630-01	.1214-02	.1002-02	.1179-02	.7210	5.854	540.3
263	50000	.00000	871.00	.4861	.3973	.4330	.8840-02	.7082-02	.7658-02	4.872	39.67	570.4
263	50000	.00000	872.00	.3542	.2907	.3147	.6296-02	.5166-02	.5593-02	2.630	27.69	557.8
263	50000	.00000	873.00	.2147	.1766	.1958	.3816-02	.3139-02	.3480-02	2.232	16.53	549.5
263	50000	.00000	874.00	.1487	.1224	.1374	.2843-02	.2176-02	.2442-02	1.552	11.14	547.1
263	50000	.00000	875.00	.1121	.9230-01	.1038	.1993-02	.1641-02	.1845-02	1.172	8.411	546.4
263	50000	.00000	876.00	.1006	.8280-01	.9320-01	.1788-02	.1472-02	.1677-02	1.050	7.538	546.8
263	50000	.00000	877.00	.9030-01	.7440-01	.8390-01	.1605-02	.1322-02	.1483-02	.9450	6.575	545.4
263	50000	.00000	878.00	.8070-01	.6650-01	.7500-01	.1434-02	.1183-02	.1334-02	.8510	6.659	541.1
263	55000	.00000	879.00	.6302	.5100	.5580	.1120-01	.9084-02	.9918-02	5.989	49.92	599.6
263	60000	.00000	880.00	.5724	.4640	.5874	.1017-01	.8247-02	.9018-02	5.488	49.66	594.9
263	60000	.00000	881.00	.6863	.5590	.5943	.1220-01	.9934-02	.1056-02	6.749	50.90	580.9
263	60000	.00000	882.00	.3788	.3098	.3367	.6733-02	.5506-02	.5933-02	3.807	36.42	568.9
263	60000	.00000	883.00	.3819	.3130	.3458	.6787-02	.5563-02	.6145-02	3.888	28.62	561.4
263	60000	.00000	884.00	.2871	.2360	.2628	.5103-02	.4194-02	.4670-02	2.971	21.26	552.1
263	60000	.00000	885.00	.1798	.1481	.1665	.3196-02	.2632-02	.2959-02	1.878	13.48	546.7
263	60000	.00000	886.00	.1607	.1323	.1488	.2656-02	.2352-02	.2644-02	1.678	11.31	546.8
263	60000	.00000	887.00	.1349	.1111	.1247	.2397-02	.1974-02	.2217-02	1.408	9.792	545.0
263	60000	.00000	888.00	.1193	.9880-01	.1112	.2131-02	.1756-02	.1977-02	1.256	8.741	545.8
263	60000	.00000	889.00	.1075	.8860-01	.9970-01	.1510-02	.1574-02	.1772-02	1.127	7.845	544.3
263	60000	.00000	891.00	.1033	.8510-01	.9770-01	.1835-02	.1513-02	.1737-02	1.085	8.059	543.3
263	60000	.00000	892.00	.1155	.9520-01	.1098	.2052-02	.1693-02	.1952-02	1.218	8.911	540.7
263	60000	.00000	893.00	.9530-01	.7870-01	.9200-01	.1624-02	.1398-02	.1636-02	1.038	7.632	539.2
263	60000	.00000	894.00	.7730-01	.6380-01	.7500-01	.1373-02	.1134-02	.1334-02	.8210	6.222	536.6
263	65000	.00000	895.00	.3700	.3022	.3294	.6576-02	.5371-02	.5855-02	3.694	31.21	572.5
263	70000	.00000	896.00	.1531	.1257	.1368	.2721-02	.2234-02	.2431-02	1.574	20.50	553.9
263	70000	.00000	897.00	.2430	.1997	.2112	.4379-02	.3548-02	.3754-02	2.507	23.15	553.9
263	70000	.00000	898.00	.2583	.2125	.2350	.4591-02	.3776-02	.4195-02	2.682	18.62	550.0
263	70000	.00000	899.00	.2093	.1723	.1931	.3719-02	.3063-02	.3432-02	2.186	13.51	546.4
263	70000	.00000	900.00	.1660	.1368	.1540	.2951-02	.2432-02	.2736-02	1.743	10.79	543.6
263	70000	.00000	901.00	.1496	.1233	.1337	.2659-02	.2192-02	.2468-02	1.572	10.01	543.3
263	70000	.00000	902.00	.1377	.1135	.1278	.2448-02	.2018-02	.2272-02	1.448	9.226	542.6
263	70000	.00000	903.00	.1131	.9330-01	.1030	.2010-02	.1659-02	.1937-02	1.196	8.620	539.1
263	70000	.00000	904.00	.1666	.1373	.1491	.2960-02	.2440-02	.2651-02	1.752	13.95	542.5
263	75000	.00000	905.00	.3279	.2698	.2811	.5828-02	.4778-02	.5050-02	3.342	26.37	560.8
263	75000	.00000	906.00	.3406	.2799	.3054	.6054-02	.4975-02	.5429-02	3.518	26.01	553.2
263	75000	.00000	907.00	.2927	.2407	.2674	.5202-02	.4278-02	.4752-02	3.034	21.05	551.0
263	75000	.00000	908.00	.2046	.1686	.1830	.3637-02	.2996-02	.3359-02	2.141	14.89	545.7
263	75000	.00000	909.00	.1694	.1397	.1558	.3011-02	.2482-02	.2787-02	1.782	11.35	542.4

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L27)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAK)	H(OTO) BTU/ R FT2SEC	H(ITO) BTU/ R FT2SEC	H(ITAM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
263	.75000	.40000	910.00	.1467	.1209	.1359	.2607-02	.2149-02	.2415-02	1.543	10.12	542.6
263	.75000	.60000	911.00	.1353	.1116	.1256	.2404-02	.1983-02	.2232-02	1.427	9.651	540.7
263	.75000	.80000	912.00	.1321	.1089	.1250	.2349-02	.1936-02	.2222-02	1.390	11.48	542.5
263	.75000	.90000	913.00	.1178	.9730-01	.1135	.2094-02	.1729-02	.2017-02	1.250	9.161	537.3
263	.75000	.95000	914.00	.8280-01	.6840-01	.8030-01	.1472-02	.1216-02	.1427-02	.8800	6.669	536.7
263	.80000	.00000	915.00	.2641	.2166	.2357	.4694-02	.3849-02	.4189-02	2.694	24.80	560.4
263	.80000	.20000	916.00	.2121	.1746	.1959	.3770-02	.3103-02	.3482-02	2.209	15.34	548.6
263	.80000	.40000	917.00	.1497	.1234	.1385	.2660-02	.2192-02	.2461-02	1.572	11.30	543.5
263	.80000	.60000	918.00	.1234	.1019	.1188	.2193-02	.1810-02	.2111-02	1.307	5.571	538.5
263	.85000	.06000	919.00	.3058	.2510	.2731	.5436-02	.4461-02	.4854-02	3.134	24.76	547.4
263	.85000	.20000	920.00	.2051	.1689	.1891	.3645-02	.3001-02	.3360-02	2.140	15.35	544.4
263	.85000	.40000	921.00	.1657	.1365	.1531	.2944-02	.2426-02	.2721-02	1.737	12.90	547.1
263	.90000	.00000	922.00	.1711	.1409	.1531	.3042-02	.2504-02	.2721-02	1.786	14.19	547.1
263	.90000	.10000+00	923.00	.2254	.1856	.2057	.4006-02	.3299-02	.3674-02	2.359	17.50	545.5
263	.90000	.20000	924.00	.2147	.1768	.1975	.3817-02	.3142-02	.3510-02	2.241	16.08	547.2
263	.90000	.30000	925.00	.1981	.1631	.1826	.3520-02	.2899-02	.3249-02	2.072	14.88	545.6
263	.90000	.50000	926.00	.1605	.1323	.1484	.2852-02	.2351-02	.2638-02	1.686	12.12	543.2
263	.90000	.80000	927.00	.1585	.1307	.1497	.2818-02	.2323-02	.2661-02	1.666	13.03	543.0
263	.90000	.90000	928.00	.1256	.1036	.1211	.2232-02	.1842-02	.2153-02	1.329	10.60	539.1
263	.95000	.00000	929.00	.9260-01	.7650-01	.8300-01	.1646-02	.1360-02	.1475-02	.9860	7.351	535.5
263	.95000	.50000-01	930.00	.1544	.1274	.1390	.2264-02	.2264-02	.2471-02	1.630	11.74	540.4
263	.95000	.10000+00	931.00	.1661	.1369	.1516	.2951-02	.2433-02	.2694-02	1.745	12.96	543.1
263	.95000	.20000	932.00	.1721	.1418	.1587	.3056-02	.2520-02	.2820-02	1.803	12.55	544.8
263	.95000	.30000	933.00	.1905	.1570	.1750	.3386-02	.2790-02	.3129-02	1.997	14.35	544.5
263	.95000	.50000	934.00	.1399	.1154	.1296	.2487-02	.2051-02	.2304-02	1.475	10.97	541.3
263	.95000	.70000	935.00	.1613	.1329	.1507	.2867-02	.2363-02	.2678-02	1.693	12.78	543.9
263	.95000	.80000	936.00	.1575	.1299	.1496	.2800-02	.2310-02	.2662-02	1.663	12.37	540.4
263	.95000	.90000	937.00	.1082	.8930-01	.1042	.1922-02	.1588-02	.1852-02	1.149	8.715	536.3

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L27)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
 BDFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO FSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
280	7.940	1.032	40.05	.0000	180.0	211.0	.2300-01	1261.	92.60	1.001	3745.	.2055-04
281	7.940	1.023	40.06	.0000	180.0	209.0	.2200-01	1260.	92.60	.9920	3744.	.2037-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
280	.7458-07		0.0175
281	.7454-07		.4008-01
			.4026-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TM DEG. R
281	.30000	.00000	845.00	.4360-01	.3600-01	.3500-01	.1060-02	.6754-03	.9499-03	.6350	7.105	534.8
281	.30000	.50000-01	846.00	.1443	.1186	.1291	.3511-02	.2886-02	.3161-02	2.041	22.63	552.7
281	.30000	.10000*00	847.00	.1242	.1022	.1124	.3021-02	.2465-02	.2735-02	1.766	15.09	549.4
281	.30000	.20000	848.00	.1264	.1041	.1155	.3075-02	.2532-02	.2810-02	1.807	12.97	546.3
281	.30000	.40000	850.00	.7830-01	.6440-01	.7210-01	.1905-02	.1567-02	.1754-02	1.113	7.977	549.7
281	.30000	.50000	851.00	.6490-01	.5340-01	.6020-01	.1579-02	.1298-02	.1464-02	.9220	6.824	550.1
281	.30000	.60000	852.00	.6330-01	.5210-01	.5670-01	.1541-02	.1268-02	.1428-02	.9010	6.670	549.5
281	.30000	.70000	853.00	.5890-01	.4850-01	.5470-01	.1434-02	.1180-02	.1331-02	.8400	6.022	548.2
281	.30000	.80000	854.00	.6020-01	.4950-01	.5620-01	.1464-02	.1205-02	.1376-02	.8580	6.361	547.6
281	.30000	.90000	855.00	.6530-01	.5390-01	.6240-01	.1589-02	.1311-02	.1513-02	.9420	6.891	541.2
281	.30000	.00000	856.00	.5830-01	.4810-01	.5630-01	.1418-02	.1171-02	.1353-02	.6460	6.097	537.6
281	.35000	.00000	857.00	.1043	.8590-01	.9330-01	.2537-02	.2090-02	.2271-02	1.496	12.82	544.4
281	.40000	.00000	858.00	.1728	.1418	.1543	.4203-02	.3450-02	.3753-02	2.426	24.41	556.8
281	.40000	.50000-01	859.00	.3415	.2737	.3015	.3308-02	.2604-02	.2735-02	4.736	33.70	563.9
281	.40000	.10000*00	860.00	.2399	.1968	.2167	.5835-02	.4788-02	.5273-02	3.363	24.00	557.7
281	.40000	.20000	861.00	.1474	.1211	.1357	.3585-02	.2945-02	.3301-02	2.081	15.38	553.5
281	.40000	.30000	862.00	.1191	.9790-01	.1103	.2893-02	.2381-02	.2684-02	1.685	12.06	552.2
281	.40000	.40000	863.00	.1001	.8230-01	.9280-01	.2436-02	.2003-02	.2259-02	1.420	10.87	551.1
281	.40000	.50000	864.00	.8530-01	.7020-01	.7690-01	.2075-02	.1709-02	.1920-02	1.220	8.226	546.1

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(RV1L27)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (1AI)	H(IST) BTU/ R FT2SEC	H(IG) BTU/ R FT2SEC	H(ITAM) BTU/ R FT2SEC	QLOT BTU/ FT2SEC	DTNOT DEG. R /SEC	TH DEG. R
281	.40000	.70000	865.00	.9340-01	.7690-01	.8660-01	.2272-02	.1870-02	.2107-02	1.333	8.982	547.4
281	.40000	.75000	866.00	.8330-01	.6860-01	.7760-01	.2027-02	.1699-02	.1987-02	1.191	8.839	546.1
281	.40000	.85000	867.00	.1002	.8250-01	.9480-01	.2437-02	.2007-02	.2306-02	1.433	10.81	546.0
281	.40000	.90000	868.00	.6380-01	.6910-01	.8080-01	.2040-02	.1680-02	.1964-02	1.202	10.30	544.5
281	.40000	.95000	869.00	.7860-01	.6480-01	.7630-01	.1911-02	.1576-02	.1855-02	1.131	9.170	542.3
281	.50000	.00000	871.00	.4796	.3908	.4264	.1167-01	.9506-02	.1037-01	6.468	52.42	579.6
281	.50000	.50000-01	872.00	.3502	.2688	.3107	.8520-02	.6977-02	.7559-02	4.854	36.91	564.3
281	.50000	.10000+00	873.00	.2132	.1752	.1943	.5186-02	.4261-02	.4726-02	3.011	22.26	553.4
281	.50000	.20000	874.00	.1483	.1220	.1369	.3608-02	.2967-02	.3331-02	2.106	15.08	550.4
281	.50000	.30000	875.00	.1143	.9410-01	.1058	.2781-02	.2288-02	.2573-02	1.627	11.67	548.7
281	.50000	.40000	876.00	.9630-01	.7920-01	.8920-01	.2342-02	.1927-02	.2170-02	1.372	9.842	548.0
281	.50000	.50000	877.00	.8530-01	.7030-01	.7920-01	.2076-02	.1709-02	.1923-02	1.220	8.480	546.5
281	.50000	.60000	878.00	.8280-01	.6830-01	.7700-01	.2014-02	.1660-02	.1873-02	1.191	8.319	542.6
281	.55000	.00000	879.00	.6177	.4964	.5446	.1503-01	.1207-01	.1325-01	7.746	63.97	618.5
281	.60000	.00000	880.00	.5714	.4602	.5045	.1390-01	.1119-01	.1227-01	7.247	65.02	612.6
281	.60000	.25000-01	881.00	.6834	.5539	.5697	.1662-01	.1377-01	.1435-01	8.959	67.10	595.1
281	.60000	.50000-01	882.00	.3744	.3032	.3322	.9109-02	.7475-02	.8071-02	5.059	48.16	578.6
281	.60000	.75000-01	883.00	.3747	.3064	.3389	.9115-02	.7454-02	.8243-02	5.152	37.79	568.7
281	.60000	.10000+00	884.00	.2882	.2366	.2636	.7010-02	.5755-02	.6412-02	4.049	28.92	556.4
281	.60000	.20000	885.00	.1757	.1446	.1626	.4274-02	.3517-02	.3955-02	2.502	17.94	548.5
281	.60000	.30000	886.00	.1595	.1278	.1438	.3782-02	.3110-02	.2926-02	1.845	14.82	551.3
281	.60000	.40000	887.00	.1301	.1070	.1203	.3166-02	.2603-02	.2326-02	1.745	12.80	551.2
281	.60000	.50000	888.00	.1224	.1007	.1135	.2977-02	.2450-02	.2761-02	1.554	12.12	548.1
281	.60000	.60000	889.00	.1187	.8950-01	.1008	.2643-02	.2177-02	.2452-02	1.622	10.81	546.0
281	.60000	.80000	891.00	.1132	.9330-01	.107	.2755-02	.2269-02	.2606-02	1.728	12.04	545.3
281	.60000	.85000	892.00	.1202	.9910-01	.1143	.2925-02	.2411-02	.2782-02	1.622	12.62	543.3
281	.60000	.90000	893.00	.9790-01	.8090-01	.9450-01	.2382-02	.1965-02	.2300-02	1.413	10.69	540.6
281	.60000	.95000	894.00	.7480-01	.6170-01	.7260-01	.1819-02	.1502-02	.1767-02	1.085	8.222	537.5
281	.65000	.00000	895.00	.3592	.2925	.3193	.8738-02	.7116-02	.7767-02	4.831	40.63	581.2
281	.70000	.00000	896.00	.1537	.1260	.1372	.3740-02	.3066-02	.3337-02	2.145	27.87	560.6
281	.70000	.25000-01	897.00	.2430	.1994	.2111	.5911-02	.4651-02	.5134-02	3.410	31.44	557.2
281	.70000	.10000+00	898.00	.2585	.2125	.2361	.6290-02	.5168-02	.5744-02	2.653	25.32	553.2
281	.70000	.20000	899.00	.2098	.1694	.1899	.5007-02	.4122-02	.4620-02	2.938	18.15	547.3
281	.70000	.30000	900.00	.1677	.1381	.1594	.4079-02	.3359-02	.3781-02	2.399	14.83	545.8
281	.70000	.40000	901.00	.1479	.1217	.1371	.3597-02	.2962-02	.3334-02	2.113	13.43	546.5
281	.70000	.50000	902.00	.1368	.1126	.1269	.3327-02	.2739-02	.3066-02	1.954	12.42	546.8
281	.70000	.60000	903.00	.1160	.9560-01	.1117	.2821-02	.2326-02	.2718-02	1.671	12.03	541.5
281	.75000	.00000	904.00	.1764	.1454	.1579	.4291-02	.3538-02	.3842-02	2.541	20.24	541.8
281	.75000	.25000-01	905.00	.3246	.2655	.2808	.7896-02	.6459-02	.6831-02	4.473	35.18	567.4
281	.75000	.50000-01	906.00	.2749	.2350	.2608	.8149-02	.6687-02	.7302-02	4.695	34.63	557.8
281	.75000	.10000+00	907.00	.2978	.2363	.2628	.7002-02	.5750-02	.6392-02	4.051	28.05	555.4
281	.75000	.20000	908.00	.1957	.1611	.1807	.4761-02	.3920-02	.4396-02	2.797	19.44	546.6
281	.75000	.30000	909.00	.1672	.1377	.1547	.4067-02	.3351-02	.3764-02	2.399	15.26	544.3

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L27)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TA4)	H1GTO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
281	.75000	.40000	910.00	.1467	.1209	.1353	.3569-02	.2949-02	.3304-02	2.102	13.77	545.0
281	.75000	.60000	911.00	.1338	.1102	.1241	.3254-02	.2681-02	.3019-02	1.917	12.94	544.8
281	.75000	.80000	912.00	.1402	.1154	.1325	.3410-02	.2807-02	.3224-02	1.999	16.46	547.8
281	.75000	.90000	913.00	.1187	.9800-01	.1143	.2889-02	.2383-02	.2782-02	1.716	12.56	540.0
281	.75000	.95000	914.00	.8770-01	.7240-01	.8503-01	.6413-02	.5247-02	.5716-02	1.272	9.632	538.0
281	.80000	.00000	915.00	.2636	.2157	.2353	.4938-02	.4067-02	.4562-02	3.637	33.37	566.9
281	.80000	.20000	916.00	.2030	.1672	.1875	.3674-02	.3026-02	.3399-02	2.903	20.19	546.1
281	.80000	.40000	917.00	.1510	.1244	.1397	.3231-02	.2664-02	.3109-02	2.161	15.51	545.9
281	.80000	.60000	918.00	.1328	.1095	.1273	.7179-02	.5879-02	.6402-02	1.911	13.97	542.5
281	.85000	.00000	919.00	.2951	.2417	.2632	.5236-02	.4309-02	.4825-02	4.093	32.24	563.9
281	.85000	.20000	920.00	.2152	.1771	.1983	.4105-02	.3380-02	.3792-02	3.067	22.00	548.1
281	.85000	.40000	921.00	.1687	.1389	.1583	.4171-02	.3433-02	.3731-02	2.447	17.89	546.4
281	.90000	.00000	922.00	.1714	.1411	.1534	.5589-02	.4600-02	.5124-02	2.475	19.44	547.3
281	.90000	.10000+00	923.00	.2237	.1891	.2105	.5112-02	.4206-02	.4701-02	3.275	24.28	547.9
281	.90000	.20000	924.00	.2101	.1729	.1932	.4863-02	.4002-02	.4487-02	2.992	21.45	548.8
281	.90000	.30000	925.00	.1939	.1645	.1844	.3925-02	.3233-02	.3630-02	2.850	20.44	548.0
281	.90000	.50000	926.00	.1613	.1329	.1492	.4085-02	.3365-02	.3857-02	2.310	16.59	545.5
281	.90000	.80000	927.00	.1679	.1383	.1585	.3096-02	.2553-02	.2986-02	2.406	18.80	545.1
281	.90000	.90000	928.00	.1273	.1049	.1227	.2226-02	.1841-02	.1997-02	1.831	14.58	542.5
281	.95000	.00000	929.00	.9150-01	.7570-01	.8211-01	.3639-02	.3001-02	.3276-02	1.339	9.999	532.7
281	.95000	.50000-01	930.00	.1495	.1234	.1347	.4010-02	.3305-02	.3660-02	2.159	15.53	541.0
281	.95000	.10000+00	931.00	.1648	.1359	.1504	.4530-02	.3731-02	.4177-02	2.369	17.60	543.3
281	.95000	.20000	932.00	.1862	.1534	.1717	.4565-02	.3758-02	.4217-02	2.665	18.54	545.7
281	.95000	.30000	933.00	.1876	.1545	.1733	.3365-02	.2773-02	.3116-02	2.682	19.25	546.5
281	.95000	.50000	934.00	.1383	.1140	.1281	.4474-02	.3682-02	.4177-02	1.985	14.74	544.0
281	.95000	.70000	935.00	.1839	.1514	.1717	.4065-02	.3350-02	.3864-02	2.620	19.75	548.3
281	.95000	.80000	936.00	.1671	.1377	.1583	.2707-02	.2235-02	.2609-02	2.402	17.85	543.0
281	.95000	.90000	937.00	.1113	.9190-01	.1072				1.612	12.21	538.5

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LOWER HING

OH-498 (AEDC V41B-57A) ORBITER LOWER HING

(RV1L27)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
 BOFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.5 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	P0 PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
296	7.980	1.966	40.10	.0000	180.0	429.6	.4500-01	1306.	95.10	1.994	3813.	.3947-04
297	7.980	1.977	40.09	.0000	180.0	430.3	.4500-01	1303.	94.80	1.997	3808.	.3964-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R F12SEC	ST FR R =
296	.7655-07	.3471-01		0.0175
297	.7635-07	.3472-01		.2903-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAU)	H1GTO) BTU/ P F12SEC	H1TO) BTU/ R F12SEC	H1TAW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMOT DEG. R /SEC	TH DEG. R
297	.30000	.00000	845.00	.3730-01	.3090-01	.3350-01	.1295-02	.1072-02	.1162-02	.8110	9.025	545.9
297	.30000	.5000-01	846.00	.1414	.1161	.1272	.4910-02	.4030-02	.4417-02	2.929	32.11	575.8
297	.30000	.1000+00	847.00	.1235	.1016	.1118	.4289-02	.3527-02	.3882-02	2.587	21.8P	569.3
297	.30000	.20000	848.00	.1211	.0970-01	.1106	.4204-02	.3462-02	.3841-02	2.553	18.1	565.0
297	.30000	.40000	850.00	.7160-01	.5880-01	.6190-01	.2486-02	.2042-02	.2265-02	1.489	10.55	573.2
297	.30000	.50000	851.00	.6810-01	.5430-01	.6130-01	.2296-02	.1835-02	.2127-02	1.371	10.03	575.1
297	.30000	.60000	852.00	.7480-01	.6140-01	.6930-01	.2598-02	.2132-02	.2406-02	1.550	11.33	575.6
297	.30000	.70000	853.00	.8550-01	.7100-01	.8020-01	.3003-02	.2465-02	.2765-02	1.791	12.67	575.9
297	.30000	.80000	854.00	.1144	.9290-01	.1057	.3973-02	.3261-02	.3705-02	2.371	17.34	575.4
297	.30000	.90000	855.00	.1155	.9310-01	.1103	.4009-02	.3302-02	.3830-02	2.438	17.62	564.4
297	.30000	.95000	856.00	.1049	.8550-01	.1013	.3643-02	.3024-02	.3516-02	2.230	15.90	560.1
297	.35000	.00000	857.00	.1037	.6550-01	.9290-01	.3600-02	.2959-02	.3224-02	2.205	18.74	559.9
297	.40000	.00000	858.00	.1696	.1390	.1513	.5687-02	.4826-02	.5254-02	3.487	34.68	580.0
297	.40000	.50000-01	859.00	.3312	.2704	.2918	.1150-01	.9389-02	.101.-01	6.663	46.73	592.9
297	.40000	.1000+00	860.00	.2373	.1942	.2141	.8238-02	.6743-02	.7432-02	4.837	34.06	585.1
297	.40000	.20000	861.00	.1437	.1179	.1323	.4990-02	.4394-02	.4532-02	2.959	21.68	577.4
297	.40000	.30000	862.00	.1201	.9850-01	.1112	.4170-02	.3421-02	.3811-02	2.482	17.54	577.1
297	.40000	.40000	863.00	.1054	.8640-01	.9763-01	.3658-02	.3000-02	.3387-02	2.174	16.42	577.9
297	.40000	.50000	864.00	.1118	.9190-01	.1034	.3883-02	.3189-02	.3589-02	2.327	15.48	573.0

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAK) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
297	40000	70000	865.00	.1320	.1084	.1223	.4584-02	.3764-02	.4245-02	2.741	18.22	574.4
297	40000	75000	866.00	.1189	.9760-01	.1105	.4126-02	.3390-02	.3837-02	2.475	18.12	572.6
297	40000	85000	867.00	.1494	.1227	.1412	.5186-02	.4260-02	.4902-02	3.106	23.11	573.5
297	40000	90000	868.00	.1321	.1086	.1272	.4587-02	.3771-02	.4415-02	2.760	23.34	570.5
297	40000	95000	869.00	.1246	.1026	.1203	.4327-02	.3561-02	.4199-02	2.620	20.98	566.9
297	50000	00000	871.00	.4786	.3680	.4243	.1662-01	.1347	.1473-01	9.268	73.84	614.6
297	50000	50000-01	872.00	.3576	.2752	.2986	.1172-01	.9553	.1037-01	6.734	50.36	597.7
297	50000	10000-00	873.00	.2126	.1742	.1935	.7332-02	.6049	.6717-02	4.362	31.79	581.5
297	50000	20000	874.00	.1445	.1187	.1333	.5018-02	.4121	.4629-02	3.002	21.25	574.1
297	50000	30000	875.00	.1101	.9050-01	.1019	.3824-02	.3142-02	.3536-02	2.295	16.27	572.0
297	50000	40000	876.00	.1011	.8300-01	.9360-01	.3509-02	.2882-02	.3248-02	2.099	14.86	574.1
297	50000	60000	877.00	.9750-01	.8010-01	.9040-01	.3386-02	.2781-02	.3138-02	2.028	13.91	573.5
297	50000	90000	878.00	.1114	.9160-01	.1035	.3867-02	.3181-02	.3592-02	2.338	18.06	567.7
297	55000	00000	879.00	.6094	.4844	.5339	.2116-01	.1682-01	.1854-01	10.68	86.17	667.3
297	60000	00000	880.00	.5767	.4597	.5061	.2002-01	.1596-01	.1757-01	10.25	89.87	660.3
297	60000	25000-01	881.00	.6914	.5559	.5932	.2400-01	.1930-01	.2059-01	12.83	94.12	637.8
297	60000	50000-01	882.00	.3799	.3077	.3356	.1319-01	.1068-01	.1165-01	7.331	68.51	616.3
297	60000	75000-01	883.00	.3818	.3106	.3443	.9842-02	.8049-02	.8985-02	5.754	54.30	604.0
297	60000	10000-00	884.00	.2835	.2318	.2588	.6556-02	.5134-02	.5782-02	3.729	26.37	587.7
297	60000	20000	885.00	.1802	.1479	.1665	.5533-02	.4541-02	.5114-02	3.299	21.91	576.1
297	60000	30000	886.00	.1534	.1308	.1473	.4789-02	.3931-02	.4422-02	2.857	19.58	575.8
297	60000	40000	887.00	.1379	.1132	.1274	.4310-02	.3540-02	.3992-02	2.583	17.72	573.0
297	60000	50000	888.00	.1241	.1020	.1150	.4092-02	.3364-02	.3793-02	2.462	16.91	570.7
297	60000	60000	889.00	.1179	.9690-01	.1092	.5564-02	.4573-02	.5260-02	3.341	24.47	571.9
297	60000	80000	891.00	.1603	.1317	.1515	.5710-02	.4696-02	.5426-02	3.445	24.85	569.1
297	60000	85000	892.00	.1645	.1353	.1563	.5039-02	.4148-02	.4863-02	3.056	22.82	565.9
297	60000	90000	893.00	.1452	.1195	.1401	.4111-02	.3388-02	.3990-02	2.511	18.80	561.4
297	65000	00000	894.00	.1184	.9760-01	.1149	.1226-01	.9942-02	.1087-01	6.839	56.58	614.7
297	70000	00000	895.00	.3533	.2884	.3132	.5496-02	.4498-02	.4900-02	3.228	41.45	584.9
297	70000	25000-01	896.00	.1583	.1296	.1411	.8594-02	.7042-02	.7455-02	5.079	46.27	581.4
297	70000	50000-01	897.00	.2475	.2028	.2147	.9025-02	.7402-02	.8233-02	5.359	36.67	578.6
297	70000	10000-00	898.00	.2660	.2132	.2371	.7176-02	.5893-02	.6613-02	4.290	26.15	574.5
297	70000	20000	899.00	.2067	.1697	.1905	.5783-02	.4752-02	.5355-02	3.473	21.20	571.7
297	70000	30000	900.00	.1666	.1369	.1543	.5289-02	.4346-02	.4898-02	3.175	19.92	572.1
297	70000	40000	901.00	.1524	.1252	.1411	.4865-02	.4080-02	.4602-02	2.980	18.70	572.1
297	70000	60000	902.00	.1430	.1175	.1325	.9092-02	.7467-02	.8750-02	5.441	38.52	573.9
297	75000	00000	903.00	.2619	.2151	.2520	.7068-02	.5833-02	.6340-02	4.292	33.76	566.8
297	75000	25000-01	904.00	.2042	.1620	.1826	.1134-01	.9251-02	.9789-02	6.542	50.73	595.4
297	75000	50000-01	905.00	.3266	.2665	.2820	.1166-01	.9549-02	.1043-01	6.872	50.05	593.0
297	75000	10000-00	906.00	.3359	.2751	.3005	.9361-02	.8162-02	.9083-02	5.887	40.22	581.4
297	75000	20000	907.00	.2869	.2351	.2616	.6851-02	.5626-02	.6318-02	4.099	28.11	574.1
297	75000	30000	908.00	.1973	.1620	.1820	.5775-02	.4748-02	.5339-02	3.478	21.85	570.0
297	75000	50000	909.00	.1663	.1368	.1538						

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L27)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
297	.75000	.40000	910.00	.1475	.1212	.1364	.5122-02	.4208-02	.4737-02	3.073	19.85	572.4
297	.75000	.60000	911.00	.1433	.1178	.1328	.4973-02	.4090-02	.4611-02	2.997	19.97	569.7
297	.75000	.80000	912.00	.2669	.2188	.2520	.9268-02	.7596-02	.8751-02	5.487	44.46	580.3
297	.75000	.90000	913.00	.2729	.243	.2626	.9475-02	.7789-02	.9116-02	5.703	41.11	570.4
297	.75000	.95000	914.00	.2211	.1818	.2141	.7675-02	.6311-02	.7435-02	4.627	34.50	569.5
297	.80000	.00000	915.00	.2630	.2147	.2341	.9132-02	.7453-02	.8128-02	5.279	47.79	594.3
297	.80000	.20000	916.00	.2049	.1684	.1831	.7113-02	.5845-02	.6564-02	4.272	29.33	571.7
297	.80000	.40000	917.00	.1482	.1217	.1369	.5146-02	.4225-02	.4753-02	3.074	21.75	575.0
297	.80000	.60000	918.00	.2862	.2349	.2751	.9935-02	.8156-02	.9549-02	5.931	42.65	575.3
297	.85000	.00000	919.00	.3013	.2462	.2634	.1046-01	.8549-02	.9318-02	6.094	47.39	589.7
297	.85000	.20000	920.00	.2076	.1705	.1911	.7206-02	.5918-02	.6634-02	4.312	30.53	574.0
297	.85000	.40000	921.00	.1666	.1367	.1537	.5785-02	.4745-02	.5335-02	3.439	25.11	577.9
297	.90000	.00000	922.00	.1673	.1377	.1437	.5808-02	.4780-02	.5196-02	3.520	27.69	566.3
297	.90000	.10000+03	923.00	.2235	.1838	.2048	.7760-02	.6381-02	.7111-02	4.678	34.30	569.5
297	.90000	.20000	924.00	.2097	.1722	.1926	.7280-02	.5977-02	.6687-02	4.350	30.78	574.9
297	.90000	.30000	925.00	.1949	.1600	.1736	.6767-02	.5555-02	.6235-02	4.039	28.57	575.5
297	.90000	.50000	926.00	.1644	.1349	.1517	.5706-02	.4682-02	.5268-02	3.398	24.02	576.8
297	.90000	.80000	927.00	.3136	.2568	.2955	.9924-02	.8140-02	.9559-02	6.405	49.07	584.1
297	.90000	.90000	928.00	.2859	.2345	.2753	.1089-01	.8914-02	.1026-01	5.898	46.13	578.0
297	.95000	.00000	929.00	.8860-01	.7340-01	.7950-01	.3078-02	.2549-02	.2763-02	1.931	14.33	544.9
297	.95000	.50000-01	930.00	.1464	.1209	.1319	.5082-02	.4196-02	.4578-02	3.136	22.41	555.3
297	.95000	.10000+00	931.00	.1654	.1363	.1509	.5741-02	.4731-02	.5238-02	3.501	25.76	562.5
297	.95000	.20000	932.00	.1841	.1514	.1696	.6391-02	.5258-02	.5888-02	3.862	26.57	567.9
297	.95000	.30000	933.00	.1849	.1519	.1706	.6420-02	.5274-02	.5924-02	3.849	27.27	572.7
297	.95000	.50000	934.00	.1322	.1087	.1223	.4590-02	.3775-02	.4246-02	2.768	20.29	569.3
297	.95000	.70000	935.00	.2757	.2358	.2569	.9573-02	.7840-02	.8919-02	5.638	41.75	583.4
297	.95000	.80000	936.00	.2992	.2455	.2840	.1039-01	.8523-02	.9861-02	6.179	45.12	577.5
297	.95000	.90000	937.00	.2332	.1919	.2245	.8098-02	.6661-02	.7796-02	4.892	36.50	568.2

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 5.000 SPDRK = .0100
 BDFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
328	7.990	2.991	40.01	.0000	160.0	676.7	.7000-01	1334.	96.90	3.123	3853.	.6053-04
329	7.990	2.987	40.03	.0000	180.0	677.0	.7000-01	1335.	97.00	3.124	3855.	.6049-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
328	.7798-07			0.0175
329	.7806-07			.2349-01 .2350-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H18TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
329	.30000	.00000	845.00	.4330-01	.3590-01	.3890-01	.1888-02	.1565-02	.1696-02	1.221	13.52	555.0
329	.30000	.50000-01	846.00	.1378	.1129	.1238	.6009-02	.4922-02	.5401-02	3.635	39.44	596.6
329	.30000	.10000-00	847.00	.1259	.1034	.1139	.5490-02	.4510-02	.4967-02	3.372	28.27	587.4
329	.30000	.20000	848.00	.1206	.9920-01	.1102	.5259-02	.4328-02	.4805-02	3.265	23.04	580.7
329	.30000	.40000	850.00	.7570-01	.6210-01	.6950-01	.3303-02	.2709-02	.3037-02	2.014	14.13	591.8
329	.30000	.50000	851.00	.1020	.8360-01	.9450-01	.4450-02	.3646-02	.4121-02	2.693	19.48	596.3
329	.30000	.60000	852.00	.1585	.1297	.1467	.6914-02	.5658-02	.6396-02	4.157	30.01	600.3
329	.30000	.70000	853.00	.2196	.1793	.2033	.9576-02	.7820-02	.8865-02	5.691	39.64	607.1
329	.30000	.80000	854.00	.2605	.2124	.2424	.9432-02	.7737-02	.9003-02	5.748	48.11	611.8
329	.30000	.90000	855.00	.2163	.1774	.2064	.8128-02	.6681-02	.7843-02	4.099	35.28	585.0
329	.30000	.00000	856.00	.1854	.1532	.1796	.4546-02	.3832-02	.4161-02	2.919	24.65	573.2
329	.30000	.00000	857.00	.1065	.8790-01	.9540-01	.7503-02	.6139-02	.6667-02	4.507	44.37	600.8
329	.40000	.00000	858.00	.1720	.1408	.1533	.1462-01	.1189-01	.1283-01	8.512	58.93	619.2
329	.40000	.50000-01	859.00	.3352	.2727	.2947	.1044-01	.8520-02	.9406-02	6.186	43.04	608.9
329	.40000	.10000-00	860.00	.2394	.1954	.2157	.6747-02	.5522-02	.6203-02	4.062	29.34	599.4
329	.40000	.20000	861.00	.1547	.1266	.1422	.6449-02	.5276-02	.5966-02	3.873	27.06	600.9
329	.40000	.30000	862.00	.1479	.1210	.1368	.6771-02	.5538-02	.6265-02	4.058	30.28	602.2
329	.40000	.40000	863.00	.1553	.1270	.1437	.1064-01	.8700-02	.9815-02	6.381	41.86	601.5
329	.40000	.60000	864.00	.2439	.1995	.2251						

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(RVIL27)

OH-498 (AEDC V418-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(190) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
329	.40000	.70000	865.02	.2935	.2396	.2712	.1280-01	.1045-01	.1183-01	7.593	49.65	608.2
329	.40000	.75000	866.00	.2571	.2101	.2387	.1121-01	.1045-02	.1041-01	6.693	48.23	604.6
329	.40000	.85000	867.00	.2879	.2351	.2718	.1256-01	.1025-01	.1185-01	7.466	54.64	606.9
329	.40000	.90000	868.00	.2498	.2042	.2403	.1089-01	.8906-02	.1048-01	6.513	54.17	603.7
329	.40000	.95000	869.00	.2373	.1541	.2301	.1035-01	.8466-02	.1003-01	6.216	48.96	600.7
329	.50000	.00000	871.00	.4702	.3789	.4152	.2050-01	.1652-01	.1811-01	11.37	99.15	647.1
329	.50000	.50000-01	872.00	.3440	.2790	.3034	.1500-01	.1217-01	.1323-01	8.597	63.34	628.4
329	.50000	.10000+00	873.00	.2196	.1794	.1596	.9578 02	.7824-02	.8705-02	5.703	41.07	606.1
329	.50000	.20000	874.00	.1612	.1320	.1486	.7030-02	.5758-02	.6480-02	4.248	29.73	597.2
329	.50000	.30000	875.00	.1399	.1146	.1292	.6100-02	.4998-02	.5636-02	3.694	25.87	595.9
329	.50000	.40000	876.00	.1474	.1207	.1363	.6429-02	.5264-02	.5945-02	3.881	27.15	597.7
329	.50000	.60000	877.00	.1892	.1548	.1751	.250-02	.6750-02	.7635-02	4.955	33.53	600.9
329	.50000	.90000	878.00	.2442	.1997	.2263	.065-01	.8708-02	.9870-02	6.382	48.46	602.2
329	.55000	.00000	879.00	.5838	.4586	.5077	.2546-01	.2000-01	.2214-01	12.45	98.35	712.3
329	.60000	.00000	880.00	.5737	.4518	.4996	.2502-01	.1970-01	.2175-01	12.38	106.2	706.5
329	.60000	.25000-01	881.00	.6876	.5464	.5850	.2999-01	.2383-01	.2551-01	15.49	111.1	685.0
329	.60000	.50000-01	882.00	.3807	.3054	.3345	.1660-01	.1332-01	.1459-01	8.995	82.32	659.7
329	.60000	.75000-01	883.00	.3841	.3099	.3450	.1675-01	.1351-01	.1504-01	9.338	66.01	644.1
329	.60000	.10000+00	884.00	.2969	.2414	.2703	.1295-01	.1053-01	.1179-01	5.030	35.11	302.2
329	.60000	.20000	885.00	.1925	.1574	.1777	.8393-02	.6864-02	.7749-02	7.008	30.37	602.6
329	.60000	.30000	886.00	.1773	.1450	.1637	.7734-02	.6324-02	.7140-02	4.252	28.77	601.3
329	.60000	.40000	887.00	.1625	.1329	.1498	.7085-02	.5796-02	.6534-02	4.143	28.07	598.6
329	.60000	.50000	888.00	.1576	.1230	.1458	.6872-02	.5626-02	.6358-02	4.267	28.95	595.8
329	.60000	.60000	889.00	.1615	.1324	.1496	.7045-02	.5773-02	.6524-02	5.053	50.53	603.2
329	.60000	.80000	891.00	.2686	.2196	.2536	.1171-01	.9576-02	.1106-01	7.008	57.13	603.6
329	.60000	.85000	892.00	.3090	.2526	.2932	.1347-01	.1101-01	.1279-01	8.056	57.03	601.5
329	.60000	.90000	893.00	.2970	.2429	.2863	.1295-01	.1059-01	.1249-01	6.773	49.90	593.8
329	.60000	.95000	894.00	.2556	.2095	.2479	.1115-01	.1235-01	.1353-01	8.526	69.53	614.5
329	.65000	.00000	895.00	.3510	.2832	.3102	.6850-02	.5592-02	.6097-02	5.064	51.59	608.2
329	.70000	.25000-01	897.00	.2492	.2034	.2156	.1087-01	.8868-02	.9401-02	6.435	57.82	609.4
329	.70000	.10000+00	898.00	.2592	.2111	.2357	.1130-01	.9207-02	.1028-01	6.631	44.57	614.7
329	.70000	.20000	899.00	.2274	.1858	.2092	.9916-02	.8104-02	.9122-02	5.921	35.56	604.3
329	.70000	.30000	900.00	.1815	.1487	.1679	.7917-02	.6483-02	.7323-02	4.781	28.80	597.6
329	.70000	.40000	901.00	.1707	.1398	.1579	.7443-02	.6096-02	.6885-02	4.496	27.86	597.5
329	.70000	.50000	902.00	.1720	.1409	.1592	.7502-02	.6143-02	.6945-02	4.527	28.05	598.0
329	.70000	.60000	903.00	.3455	.2821	.3222	.1507-01	.1230-01	.1449-01	8.957	62.39	607.0
329	.75000	.00000	904.00	.2361	.1935	.2106	.1030-01	.8437-02	.9184-02	6.238	48.37	595.6
329	.75000	.25000-01	905.00	.3309	.2685	.2846	.1443-01	.1171-01	.1241-01	8.288	63.29	627.2
329	.75000	.50000-01	906.00	.3316	.2697	.2956	.1446-01	.1176-01	.1289-01	8.416	60.20	619.5
329	.75000	.10000+00	907.00	.2906	.2363	.2640	.1267-01	.1030-01	.1151-01	7.360	49.33	620.6
329	.75000	.20000	908.00	.2109	.1722	.1941	.9198-02	.7511-02	.8464-02	5.466	36.87	607.2
329	.75000	.30000	909.00	.1809	.1481	.1670	.7887-02	.6460-02	.7283-02	4.769	29.56	596.9

(RVIL27)

AEDC VKJ V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/8	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAH)	H1GTO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
329	.75000	.40000	910.00	.1620	.1326	.1496	.7065-02	.5785-02	.6526-02	4.261	27.18	598.3
329	.75000	.60000	911.00	.1621	.1328	.1501	.7068-02	.5793-02	.6546-02	4.286	28.21	595.1
329	.75000	.80000	912.00	.3982	.3239	.3752	.1737-01	.1413-01	.1636-01	10.11	80.31	619.6
329	.75000	.90000	913.00	.3447	.2820	.3314	.1503-01	.1230-01	.1445-01	9.023	64.05	601.3
329	.75000	.95000	914.00	.2733	.2237	.2646	.1192-01	.9756-02	.1154-01	7.172	52.68	599.8
329	.80000	.00000	915.00	.2707	.2197	.2401	.1180-01	.9580-02	.1047-01	6.788	60.49	626.5
329	.80000	.20000	916.00	.2181	.1780	.2007	.9512-02	.7761-02	.8754-02	5.628	37.92	609.8
329	.80000	.40000	917.00	.1675	.1369	.1544	.7303-02	.5971-02	.6734-02	4.369	30.49	603.2
329	.80000	.60000	918.00	.3604	.2940	.3460	.1572-01	.1282-01	.1509-01	9.292	65.68	610.2
329	.85000	.00000	919.00	.3112	.2531	.2764	.1357-01	.1104-01	.1205-01	7.890	60.45	620.2
329	.85000	.20000	920.00	.2190	.1786	.2011	.9552-02	.7788-02	.8768-02	5.629	39.10	612.2
329	.85000	.40000	921.00	.1865	.1521	.1716	.8133-02	.6635-02	.7484-02	4.809	34.55	610.3
329	.90000	.00000	922.00	.1734	.1425	.1549	.7563-02	.6213-02	.6757-02	4.648	36.20	586.9
329	.90000	.20000	923.00	.2366	.1866	.2108	.1006-01	.8224-02	.9194-02	6.019	43.40	603.1
329	.90000	.40000	924.00	.2191	.1785	.2006	.9555-02	.7785-02	.8749-02	5.511	38.94	614.3
329	.90000	.60000	925.00	.2149	.1751	.1974	.9371-02	.6586-02	.7436-02	4.782	33.28	613.2
329	.90000	.80000	926.00	.1850	.1510	.1705	.8070-02	.6586-02	.7436-02	4.782	33.28	608.9
329	.90000	.00000	927.00	.4316	.3506	.4057	.1882-01	.1529-01	.1769-01	10.88	81.77	623.4
329	.90000	.20000	928.00	.3484	.2840	.3353	.1519-01	.1239-01	.1462-01	8.943	68.76	612.9
329	.95000	.00000	929.00	.9640-01	.7990-01	.8660-01	.4205-02	.3483-02	.3775-02	2.711	20.00	556.8
329	.95000	.50000-01	930.00	.1546	.1274	.1392	.6743-02	.5558-02	.6070-02	4.215	29.84	589.2
329	.95000	.10000-00	931.00	.1702	.1397	.1551	.7422-02	.6093-02	.6762-02	4.544	32.99	575.8
329	.95000	.20000	932.00	.1865	.1526	.1715	.8133-02	.6656-02	.7478-02	4.892	33.12	600.0
329	.95000	.30000	933.00	.1950	.1592	.1795	.8505-02	.6945-02	.7830-02	5.053	35.19	607.4
329	.95000	.40000	934.00	.1396	.1142	.1283	.6086-02	.4982-02	.5621-02	3.667	26.49	599.0
329	.95000	.50000	935.00	.3861	.3138	.3580	.1684-01	.1369-01	.1565-01	9.763	70.95	621.6
329	.95000	.60000	936.00	.4734	.3286	.3822	.1759-01	.1433-01	.1667-01	10.33	74.05	614.4
329	.95000	.70000	937.00	.2919	.2389	.2808	.1273-01	.1042-01	.1225-01	7.659	56.26	599.8

DATE 25 AUG 76 AEDC VKF V41B-57A (OH-498) COLLATIC DECK
OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 5.000 SPOBRK = .0000
BDFLAP = 22.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 ⁶ /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
304	8.000	3.765	40.12	.0000	180.0	859.8	.8800-01	1339.	97.00	3.945	3861.	.7617-04
305	8.000	3.790	40.10	.0000	180.0	859.8	.8800-01	1333.	96.60	3.945	3853.	.7650-04

RUN NUMBER	MU	LB-SEC /FT ²	ST FR R =
304	.7810-07	.4303-01	0.0175
305	.7777-07	.4899-01	.2095-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H19TO1 BTU/ R FT2SEC	H1TO1 BTU/ R FT2SEC	H1TAH1 BTU/ R FT2SEC	QOCT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
305	.30000	.00000	845.00	.4360-01	.3610-01	.3910-01	.2137-02	.1769-02	.1918-02	1.368	15.13	559.2
305	.30000	.50000-01	846.00	.1348	.1101	.1210	.6606-02	.5386-02	.5926-02	3.926	42.42	605.4
305	.30000	.10000+00	847.00	.1320	.1082	.1192	.6466-02	.5299-02	.5841-02	3.912	32.68	594.8
305	.30000	.20000	848.00	.1239	.1017	.1130	.6059-02	.4984-02	.5537-02	3.715	26.13	587.5
305	.30000	.40000	850.00	.9380-01	.7680-01	.8610-01	.4597-02	.3761-02	.4220-02	2.757	19.27	599.8
305	.30000	.50000	851.00	.1651	.1346	.1325	.8090-02	.6596-02	.7474-02	4.761	34.19	611.2
305	.30000	.60000	852.00	.2074	.2074	.2352	.1249-01	.1016-01	.1152-01	7.262	51.98	618.3
305	.30000	.70000	853.00	.3188	.2584	.2941	.1562-01	.1266-01	.1441-01	8.910	61.39	629.1
305	.30000	.80000	854.00	.3353	.2715	.3111	.1643-01	.1330-01	.1524-01	9.325	66.30	632.1
305	.30000	.90000	855.00	.2455	.2005	.2343	.1203-01	.9824-02	.1147-01	7.146	50.62	605.6
305	.30000	.95000	856.00	.2078	.1701	.2003	.1018-01	.8335-02	.9814-02	6.127	42.86	597.9
305	.35000	.00000	857.00	.1064	.8760-01	.9323-01	.5211-02	.4291-02	.4663-02	3.238	27.27	578.4
305	.40000	.00000	858.00	.1769	.1443	.1574	.8666-02	.7070-02	.7712-02	5.117	50.16	609.2
305	.40000	.50000-01	859.00	.3427	.2776	.3004	.1679-01	.1369-01	.1472-01	9.546	65.72	631.0
305	.40000	.10000+00	860.00	.2625	.2053	.2263	.1237-01	.1006-01	.1112-01	7.168	49.60	620.2
305	.40000	.20000	861.00	.1811	.1476	.1661	.8871-02	.7233-02	.8140-02	5.221	37.50	611.1
305	.40000	.30000	862.00	.2041	.1661	.1883	.9998-02	.8139-02	.9226-02	5.836	40.47	616.0
305	.40000	.40000	863.00	.2459	.1999	.2263	.1205-01	.9795-02	.1112-01	6.976	51.60	620.7
305	.40000	.50000	864.00	.3642	.2962	.3352	.1784-01	.1451-01	.1642-01	10.35	67.34	619.4

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL27)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(OTO) BTU/ R FT2SEC	H(OTO) BTU/ R FT2SEC	H(IAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
305	.40000	.70000	535.00	.3731	.3025	.3437	.1828-01	.1482-01	.1684-01	10.43	67.55	628.8
305	.40000	.75000	866.00	.3340	.2713	.3092	.1637-01	.1329-01	.1515-01	9.436	67.37	623.2
305	.40000	.80000	867.00	.3345	.2717	.3151	.1639-01	.1331-01	.1544-01	9.445	68.58	623.4
305	.40000	.90000	868.00	.2867	.2331	.2755	.1405-01	.1142-01	.1349-01	8.147	67.23	619.7
305	.40000	.95000	869.00	.2652	.2159	.2568	.1299-01	.1059-01	.1259-01	7.581	59.26	616.1
305	.50000	.00000	871.00	.4743	.3802	.4176	.2324-01	.1863-01	.2046-01	12.52	97.52	660.9
305	.50000	.50000-01	872.00	.3534	.2852	.3106	.1732-01	.1397-01	.1522-01	9.644	70.57	642.7
305	.50000	.10000-00	873.00	.2353	.1918	.2138	.1155-01	.9398-02	.1047-01	5.719	48.09	618.0
305	.50000	.20000	874.00	.1825	.1489	.1679	.8940-02	.7294-02	.8224-02	5.278	36.72	609.3
305	.50000	.30000	875.00	.1934	.1577	.1785	.9473-02	.7727-02	.8734-02	5.587	38.86	609.9
305	.50000	.40000	876.00	.2205	.1796	.2034	.1080-01	.8799-02	.9963-02	6.327	43.92	613.3
305	.50000	.50000	877.00	.3109	.2527	.2869	.1523-01	.1238-01	.1405-01	8.811	59.03	621.9
305	.50000	.60000	878.00	.3003	.2440	.2775	.1471-01	.1195-01	.1360-01	8.491	63.84	622.6
305	.55000	.00000	879.00	.5761	.4483	.4583	.2623-01	.2197-01	.2441-01	13.20	103.3	731.9
305	.60000	.00000	880.00	.5715	.4456	.4949	.2600-01	.2183-01	.2425-01	13.22	112.2	727.7
305	.60000	.25000-01	881.00	.6808	.5356	.5748	.3335-01	.2624-01	.2816-01	15.39	116.3	708.1
305	.60000	.50000-01	882.00	.4026	.3203	.3518	.1972-01	.1569-01	.1724-01	10.23	92.68	681.0
305	.70000	.75000-01	883.00	.4133	.3312	.3697	.2025-01	.1623-01	.1811-01	10.88	76.24	662.3
305	.60000	.10000-00	884.00	.3137	.2537	.2849	.1537-01	.1243-01	.1396-01	8.655	59.51	635.0
305	.60000	.20000	885.00	.2133	.1760	.1991	.1045-01	.8508-02	.9626-02	6.106	42.35	615.3
305	.60000	.30000	886.00	.2255	.1760	.1991	.1059-01	.8621-02	.9757-02	6.172	40.19	617.0
305	.60000	.40000	887.00	.2115	.1721	.1945	.1036-01	.8431-02	.9531-02	6.035	40.52	617.1
305	.60000	.50000	888.00	.2116	.1724	.1954	.1037-01	.8448-02	.9572-02	6.082	40.91	613.1
305	.60000	.60000	889.00	.3357	.2730	.3163	.1105-01	.9011-02	.1021-01	6.508	43.84	610.6
305	.60000	.70000	890.00	.3690	.2993	.3485	.1645-01	.1337-01	.1550-01	9.540	68.23	619.7
305	.60000	.80000	891.00	.3325	.2708	.3202	.1803-01	.1466-01	.1708-01	10.47	73.67	619.0
305	.60000	.90000	892.00	.2760	.2254	.2675	.1629-01	.1327-01	.1569-01	9.529	69.48	614.8
305	.65000	.00000	893.00	.3514	.2819	.3096	.1722-01	.1381-01	.1517-01	9.308	75.38	605.6
305	.70000	.00000	894.00	.1528	.1324	.1446	.7978-02	.6487-02	.7095-02	4.626	58.38	659.0
305	.70000	.25000-01	895.00	.2573	.2089	.2217	.1261-01	.1024-01	.1253-01	7.251	64.67	624.6
305	.70000	.50000	896.00	.2819	.2284	.2557	.1381-01	.1119-01	.1253-01	7.859	52.41	630.7
305	.70000	.75000	897.00	.2465	.2007	.2265	.1208-01	.9831-02	.1109-01	7.028	41.92	618.1
305	.70000	.90000	898.00	.2148	.1752	.1983	.1052-01	.8582-02	.9714-02	6.198	37.10	610.7
305	.70000	.00000	900.00	.2061	.1680	.1902	.1010-01	.8230-02	.9318-02	5.939	36.56	611.4
305	.70000	.25000	901.00	.2285	.1863	.2111	.1120-01	.9125-02	.1034-01	5.573	40.44	612.6
305	.70000	.50000	902.00	.3650	.2957	.3305	.1788-01	.1454-01	.1717-01	10.35	71.57	621.1
305	.75000	.00000	903.00	.3395	.2956	.3133	.1174-01	.9585-02	.1045-01	9.971	53.78	605.7
305	.75000	.25000-01	904.00	.3352	.2704	.2870	.1642-01	.1325-01	.1406-01	9.136	69.22	643.4
305	.75000	.50000	905.00	.3200	.2526	.2691	.1661-01	.1343-01	.1475-01	9.339	66.23	637.3
305	.75000	.75000	906.00	.3200	.2526	.2691	.1568-01	.1267-01	.1420-01	8.808	58.55	637.8
305	.75000	.00000	907.00	.2429	.1973	.2229	.1190-01	.9668-02	.1092-01	6.871	46.02	622.2
305	.75000	.25000	908.00	.2109	.1720	.1943	.1033-01	.8426-02	.9520-02	6.090	37.51	610.2

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL27)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(3TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/SEC	DTWOT DEG. R /SEC	TW DEG. R
305	.75000	.40000	910.00	.2017	.1644	.1858	.9880-02	.8052-02	.9106-02	5.802	36.74	612.5
305	.75000	.60000	911.00	.1941	.1584	.1794	.9512-02	.7761-02	.8790-02	5.619	36.73	608.9
305	.75000	.80000	912.00	.4428	.3580	.4153	.2170-01	.1754-01	.2040-01	12.21	96.26	636.7
305	.75000	.90000	913.00	.3787	.3084	.3636	.1856-01	.1511-01	.1782-01	10.85	76.52	614.8
305	.80000	.00000	914.00	.2917	.2377	.2821	.1429-01	.1165-01	.1382-01	8.385	61.19	613.0
305	.80000	.20000	915.00	.2730	.2203	.2414	.1338-01	.1087-01	.1183-01	7.458	65.96	642.1
305	.80000	.40000	916.00	.2479	.2011	.2275	.1215-01	.9855-02	.1115-01	6.960	46.51	626.7
305	.80000	.60000	917.00	.2044	.1663	.1830	.1002-01	.8146-02	.9212-02	5.819	40.30	618.6
305	.85000	.90000	918.00	.3930	.3190	.3768	.1926-01	.1563-01	.1846-01	11.06	77.57	625.4
305	.85000	.00000	919.00	.3123	.2528	.2756	.1530-01	.1238-01	.1355-01	8.654	66.86	634.1
305	.85000	.20000	920.00	.2559	.2073	.2341	.1254-01	.1016-01	.1147-01	7.136	49.14	630.4
305	.85000	.40000	921.00	.2224	.1804	.2041	.1090-01	.8839-02	.9949-02	6.242	44.50	626.7
305	.90000	.00000	922.00	.1732	.1419	.1545	.8485-02	.6950-02	.7569-02	5.122	39.72	596.0
305	.90000	.20000	923.00	.2531	.2059	.2307	.1240-01	.1009-01	.1137-01	7.206	51.57	618.5
305	.90000	.40000	924.00	.2342	.2059	.2321	.1246-01	.1009-01	.1137-01	7.080	48.73	631.3
305	.90000	.60000	925.00	.2415	.1958	.2213	.1183-01	.9591-02	.1084-01	6.746	46.47	629.5
305	.90000	.80000	926.00	.2285	.1854	.2039	.1119-01	.9085-02	.1029-01	6.429	44.38	625.4
305	.90000	.00000	927.00	.4598	.3711	.4312	.2253-01	.1818-01	.2113-01	12.55	93.48	642.4
305	.95000	.00000	928.00	.3504	.2923	.3453	.1766-01	.1432-01	.1597-01	10.09	76.98	628.4
305	.95000	.20000	929.00	.9860-01	.8160-01	.8830-01	.4832-02	.3995-02	.4335-02	3.080	22.67	562.1
305	.95000	.40000	930.00	.1698	.1395	.1526	.8321-02	.6839-02	.7475-02	5.117	36.03	584.7
305	.95000	.60000	931.00	.1840	.1505	.1672	.9013-02	.7373-02	.8194-02	5.399	38.98	600.6
305	.95000	.80000	932.00	.2213	.1802	.2030	.1084-01	.8830-02	.9944-02	6.342	42.63	614.7
305	.95000	.00000	933.00	.2268	.1858	.2100	.1121-01	.9102-02	.1029-01	6.456	44.60	623.7
305	.95000	.20000	934.00	.1740	.1418	.1603	.8527-02	.6945-02	.7856-02	4.990	35.78	614.4
305	.95000	.40000	935.00	.4515	.3643	.4133	.2122-01	.1785-01	.2050-01	12.32	88.62	642.8
305	.95000	.60000	936.00	.4343	.3518	.4108	.2128-01	.1724-01	.2012-01	12.10	86.02	631.3
305	.95000	.80000	937.00	.3181	.2591	.3056	.1558-01	.1269-01	.1497-01	9.123	66.53	614.3

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) OFBITER LOWER WING

(RVIL28)

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 10.00 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PC PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
338	7.900	.5356	30.00	.0000	180.0	107.2	.1200-01	1254.	93.00	.5200	3734.	.1074-04
339	7.900	.5476	30.00	.0000	180.0	110.2	.1200-01	1259.	93.40	.5350	3740.	.1101-04

RUN NUMBER	MJ	LB-SEC /FT2	HREF BTU/ R	ST FR R =
338	.7490-07		.1761-01	0.0175
339	.7516-07		.1786-01	.5477-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(14H) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
339	.30000	.00000	845.00	.4060-01	.3340-01	.3510-01	.7246-03	.5973-03	.6266-03	.4280	4.771	542.3
339	.30000	.50000-01	846.00	.1304	.1071	.1225	.2329-02	.1913-02	.2188-02	1.349	14.95	553.7
339	.30000	.10000+00	847.00	.1138	.9360-01	.1075	.2032-02	.1672-02	.2188-02	1.186	10.14	549.1
339	.30000	.20000	848.00	.1044	.8600-01	.9970-01	.1865-02	.1535-02	.1780-02	1.093	7.841	547.0
339	.30000	.40000	850.00	.6670-01	.5490-01	.6410-01	.1191-02	.9802-03	.1146-02	.6970	5.004	547.1
339	.30000	.50000	851.00	.5060-01	.4170-01	.4910-01	.9041-03	.7440-03	.8766-03	.5290	3.921	547.7
339	.30000	.60000	852.00	.4320-01	.3970-01	.4670-01	.6605-03	.7084-03	.8341-03	.5040	3.741	546.7
339	.30000	.70000	853.00	.4270-01	.3510-01	.4140-01	.7625-03	.6273-03	.7402-03	.4470	3.212	546.1
339	.30000	.80000	854.00	.3830-01	.2170-01	.3750-01	.6868-03	.5655-03	.6705-03	.4030	2.992	545.7
339	.30000	.90000	855.00	.5140-01	.4230-01	.5130-01	.9183-03	.7562-03	.9172-03	.5390	3.936	545.5
339	.30000	.95000	856.00	.5080-01	.4180-01	.5120-01	.9067-03	.7472-03	.9144-03	.5350	3.845	543.0
339	.35000	.00000	857.00	.5950-01	.8110-01	.8510-01	.1759-02	.1448-02	.1519-02	1.030	8.809	547.5
339	.40000	.00000	858.00	.1692	.1551	.1625	.3379-02	.2771-02	.2910-02	1.939	19.49	558.9
339	.40000	.50000-01	859.00	.3505	.2873	.3225	.6263-02	.5132-02	.5762-02	3.576	25.47	561.6
339	.40000	.10000+00	860.00	.2223	.1826	.2095	.3972-02	.3261-02	.3749-02	2.295	16.40	554.9
339	.40000	.20000	861.00	.1266	.1041	.1215	.2261-02	.1859-02	.2177-02	1.315	9.735	550.9
339	.40000	.30000	862.00	.1003	.8250-01	.9720-01	.1792-02	.1473-02	.1736-02	1.044	7.479	550.1
339	.40000	.40000	863.00	.8900-01	.6560-01	.7760-01	.1429-02	.1175-02	.1385-02	.8340	6.395	548.8
339	.40000	.60000	864.00	.7750-01	.6380-01	.7500-01	.1385-02	.1140-02	.1339-02	.8130	5.485	545.7

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL28)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AH) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
339	40000	70000	865.00	8040-01	6610-01	7790-01	1435-02	1181-02	1391-02	8400	5.664	547.3
339	40000	75000	866.00	6720-01	5540-01	6540-01	1201-02	9889-03	1169-02	8050	5.227	546.1
339	40000	85000	867.00	6280-01	6810-01	8190-01	1479-02	1216-02	1463-02	8630	6.500	549.2
339	40000	90000	868.00	7840-01	6450-01	7690-01	1401-02	1153-02	1410-02	8190	7.005	548.1
339	40000	95000	869.00	7050-01	5800-01	7150-01	1259-02	1037-02	1277-02	7390	5.980	546.0
339	50000	00000	871.00	5585	4541	4779	9977-02	8112-02	8536-02	5463	44.15	585.3
339	50000	50000-01	872.00	3543	2902	3676	6329-02	5184-02	5855-02	3607	27.45	582.8
339	50000	10000+00	873.00	2052	1635	1553	3663-02	3010-02	3469-02	2120	15.66	554.5
339	50000	20000	874.00	1362	1136	1334	2468-02	2030-02	2382-02	1440	10.32	549.5
339	50000	30000	875.00	1111	9140-01	1075	1584-02	1632-02	1919-02	1159	8.309	548.7
339	50000	40000	876.00	9250-01	7610-01	8560-01	1653-02	1360-02	1601-02	9660	6.929	548.1
339	50000	50000	877.00	7020-01	5780-01	6610-01	1255-02	1033-02	1217-02	7360	5.116	546.4
339	50000	60000	878.00	7170-01	5900-01	6670-01	1281-02	1054-02	1244-02	7510	5.860	546.7
339	55000	00000	879.00	7331	5892	6208	1310-01	1051-01	1109-01	6688	622.1	622.1
339	60000	00000	880.00	4552	3699	3695	8149-02	6608-02	6958-02	4397	39.83	593.2
339	60000	25000-01	881.00	5003	4077	4508	8935-02	7283-02	8052-02	4955	37.42	578.3
339	60000	50000-01	882.00	2746	2246	2547	4905-02	4012-02	4549-02	2774	26.56	567.2
339	60000	75000-01	883.00	2827	2317	2674	5050-02	4138-02	4777-02	2123	21.23	561.7
339	60000	10000+00	884.00	2154	1769	2060	3848-02	3160-02	3680-02	2222	15.88	555.3
339	60000	20000	885.00	1458	1200	1411	2605-02	2143-02	2520-02	1520	10.89	549.3
339	60000	30000	886.00	1356	1116	1312	2425-02	1993-02	2344-02	1415	5.527	548.9
339	60000	40000	887.00	1203	9900-01	1163	2149-02	1769-02	2077-02	1257	8.738	547.7
339	60000	50000	888.00	1073	8830-01	1040	1917-02	1578-02	1858-02	1121	7.792	547.8
339	60000	60000	889.00	9100-01	7490-01	8320-01	1625-02	1338-02	1576-02	9530	6.624	546.5
339	60000	80000	891.00	7900-01	6500-01	7820-01	1411-02	1161-02	1396-02	8230	6.098	549.4
339	60000	85000	892.00	1105	5090-01	1090	1973-02	1623-02	1961-02	1153	8.401	548.5
339	60000	90000	893.00	1003	8250-01	1011	1791-02	1473-02	1807-02	1049	7.913	547.0
339	65000	00000	894.00	7840-01	6460-01	7550-01	1401-02	1154-02	1420-02	6225	544.4	544.4
339	65000	3349	895.00	3349	2727	2669	5983-02	4872-02	5125-02	3303	27.78	580.7
339	70000	00000	896.00	1657	1355	1424	2960-02	2421-02	2544-02	1674	21.69	587.1
339	70000	25000-01	897.00	2391	1950	2155	4272-02	3502-02	3549-02	2446	22.52	580.2
339	70000	10000+00	898.00	2229	1831	2127	3923-02	3270-02	3799-02	2301	15.93	555.0
339	70000	20000	899.00	1801	1481	1737	3217-02	2646-02	3102-02	1875	11.57	550.0
339	70000	30000	900.00	1432	1178	1387	2557-02	2105-02	2478-02	1497	9.246	547.6
339	70000	40000	901.00	1220	1004	1182	2179-02	1794-02	2111-02	1278	8.123	546.4
339	70000	50000	902.00	1091	8380-01	1058	1949-02	1605-02	1850-02	1143	7.266	547.0
339	70000	60000	903.00	1059	8720-01	1056	1891-02	1557-02	1904-02	1108	7.951	547.0
339	75000	00000	904.00	2352	1937	2035	4220-02	3461-02	3634-02	2421	19.12	558.9
339	75000	25000-01	905.00	7621	2957	3349	6468-02	5281-02	5634-02	3624	28.42	572.5
339	75000	50000-01	906.00	3172	2602	2565	5655-02	4647-02	5295-02	3254	23.99	558.3
339	75000	10000+00	907.00	2436	2001	2724	4351-02	3574-02	4152-02	2518	17.44	554.0
339	75000	20000	908.00	1505	1238	1452	2688-02	2211-02	2593-02	1569	10.89	549.0
339	75000	30000	909.00	1338	1102	1297	2390-02	1968-02	2312-02	1403	8.920	545.9

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L28)

P/N NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAU)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAU) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
339	.75000	.40000	910.00	.1220	.1004	.1180	.2178-02	.1794-02	.2108-02	1.278	8.367	546.0
339	.75000	.60000	911.00	.1097	.9040-01	.1064	.1960-02	.1614-02	.1901-02	1.152	7.774	545.0
339	.75000	.80000	912.00	.1080	.8880-01	.1067	.1928-02	.1587-02	.1907-02	1.127	9.276	548.5
339	.75000	.90000	913.00	.1092	.9000-01	.1099	.1951-02	.1608-02	.1963-02	1.148	8.386	544.4
339	.75000	.95000	914.00	.7810-01	.6430-01	.7910-01	.1395-02	.1149-02	.1412-02	.8220	6.210	543.5
339	.80000	.00000	915.00	.3202	.2511	.2746	.5720-02	.4663-02	.4905-02	3.181	29.05	576.6
339	.80000	.20000	916.00	.1430	.1177	.138	.2555-02	.2102-02	.2466-02	1.491	10.35	549.2
339	.80000	.40000	917.00	.1134	.9340-01	.1096	.2026-02	.1659-02	.1958-02	1.190	8.541	545.7
339	.80000	.60000	918.00	.1114	.7170-01	.1120	.1989-02	.1638-02	.2000-02	1.169	8.532	545.3
339	.85000	.00000	919.00	.3859	.3180	.3344	.6965-02	.5681-02	.5973-02	3.876	30.35	576.3
339	.85000	.20000	920.00	.1421	.1170	.1369	.2539-02	.2090-02	.2445-02	1.486	10.66	547.4
339	.85000	.40000	921.00	.1142	.9410-01	.1103	.2041-02	.1680-02	.1570-02	1.198	8.886	545.9
339	.90000	.00000	922.00	.2320	.1902	.1928	.4145-02	.3398-02	.3569-02	2.375	18.74	559.8
339	.90000	.10000+00	923.00	.2344	.1927	.2245	.4187-02	.3442-02	.4010-02	2.435	18.02	551.3
339	.90000	.20000	924.00	.1490-01	.1140-01	.1510-01	.2664-03	.2031-03	.2516-03	1.080	7.080	728.3
339	.90000	.30000	925.00	.1622	.1334	.1554	.2897-02	.2383-02	.2793-02	1.691	12.13	548.9
339	.90000	.40000	926.00	.1007	.8290-01	.9730-01	.1793-02	.1481-02	.1739-02	1.057	7.589	545.3
339	.90000	.50000	927.00	.1262	.1039	.1246	.2255-02	.1856-02	.2625-02	1.320	10.31	547.1
339	.90000	.60000	928.00	.9580-01	.7950-01	.9730-01	.1725-02	.1420-02	.1733-02	1.013	8.053	545.6
339	.95000	.00000	929.00	.1322	.1088	.1142	.2361-02	.1944-02	.2040-02	1.386	10.28	545.9
339	.95000	.10000-01	930.00	.1823	.1499	.1709	.3255-02	.2678-02	.3053-02	1.897	13.59	550.1
339	.95000	.20000	931.00	.1805	.1485	.1719	.3225-02	.2652-02	.3071-02	1.878	13.90	550.6
339	.95000	.30000	932.00	.1820	.1497	.1753	.3252-02	.2675-02	.3131-02	1.897	13.17	549.3
339	.95000	.40000	933.00	.1699	.1398	.1640	.3035-02	.2496-02	.2929-02	1.772	12.70	548.9
339	.95000	.50000	934.00	.1130	.9300-01	.1093	.2018-02	.1652-02	.1953-02	1.185	8.796	545.4
339	.95000	.60000	935.00	.8850-01	.7290-01	.8640-01	.1581-02	.1302-02	.1544-02	.9280	7.006	545.6
339	.95000	.70000	936.00	.1180	.9720-01	.1172	.2107-02	.1736-02	.2094-02	1.238	9.188	545.3
339	.95000	.80000	937.00	.8720-01	.7180-01	.8770-01	.1557-02	.1283-02	.1567-02	.9180	6.932	543.4

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LOWER WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL28)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 10.00 SPDBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
334	7.980	1.955	30.06	.0000	180.0	428.3	.4500-01	1309.	95.30	1.991	3818.	.3931-04
335	7.980	1.988	30.06	.0000	180.0	431.1	.4500-01	1299.	94.60	2.001	3803.	.3982-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
334	.7674-07	.3469-01	0.0175
335	.7615-07	.3474-01	.2910-01
			.2889-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
335	.30000	.00000	845.00	.4110-01	.3400-01	.3560-01	.1429-02	.1180-02	.1238-02	.8830	9.803	551.1
335	.30000	.50000-01	846.00	.1258	.1032	.1181	.4369-02	.3583-02	.4101-02	2.588	28.36	576.8
335	.30000	.10000+00	847.00	.1178	.9680-01	.1112	.4091-02	.3363-02	.3864-02	2.456	20.79	568.8
335	.30000	.20000	848.00	.1052	.8660-01	.1004	.3656-02	.3009-02	.3437-02	2.208	15.70	565.3
335	.30000	.40000	850.00	.5730-01	.4710-01	.5517-01	.1991-02	.1638-02	.1915-02	1.199	8.514	567.3
335	.30000	.50000	851.00	.4250-01	.3500-01	.4270-01	.1477-02	.1214-02	.1431-02	.8870	6.508	568.5
335	.30000	.60000	852.00	.4330-01	.3560-01	.4193-01	.1502-02	.1235-02	.1456-02	.9030	6.630	567.9
335	.30000	.70000	853.00	.4400-01	.3620-01	.4270-01	.1530-02	.1258-02	.1484-02	.9210	6.542	567.2
335	.30000	.80000	854.00	.5590-01	.4600-01	.5453-01	.1942-02	.1597-02	.1695-02	1.171	8.598	566.3
335	.30000	.90000	855.00	.1131	.9310-01	.1293	.3928-02	.3233-02	.3922-02	2.377	17.18	564.2
335	.30000	.95000	855.00	.1051	.8750-01	.1073	.3686-02	.3038-02	.3717-02	2.245	16.00	560.3
335	.35000	.00000	857.00	.5990-01	.6140-01	.8343-01	.3434-02	.2828-02	.2967-02	2.081	17.66	563.3
335	.40000	.00000	859.00	.1870	.1527	.1606	.6494-02	.5305-02	.5577-02	3.763	37.24	589.9
335	.40000	.50000-01	859.00	.3469	.2825	.3182	.1205-01	.9814-02	.1105-01	6.871	48.04	599.1
335	.40000	.10000+00	860.00	.2215	.1812	.2087	.7693-02	.6294-02	.7251-02	4.495	31.65	585.0
335	.40000	.20000	861.00	.1221	.1003	.1175	.4243-02	.3482-02	.4083-02	2.525	18.47	574.2
335	.40000	.30000	862.00	.9440-01	.7750-01	.9140-01	.3277-02	.2691-02	.3174-02	1.953	13.83	573.4
335	.40000	.40000	863.00	.7440-01	.6110-01	.7210-01	.2583-02	.2122-02	.2503-02	1.545	11.71	571.2
335	.40000	.60000	864.00	.7990-01	.6570-01	.7723-01	.2776-02	.2283-02	.2683-02	1.672	11.16	566.8

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OH-49B (AEDC V418-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAJ)	H(190) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(TAW) BTU/ R F12SEC	QDOT BTU/ R F12SEC	DTWDT DEG. R /SEC	TM DEG. R
335	40000	.70000	865.00	.8790-01	.7230-01	.8520-01	.3053-02	.2510-02	.2958-02	1.835	12.23	568.4
335	40000	.75000	866.00	.7630-01	.6280-01	.7420-01	.2651-02	.2181-02	.2579-02	1.599	11.75	565.9
335	40000	.80000	867.00	.1512	.1240	.1493	.5251-02	.4303-02	.5192-02	3.119	23.19	575.3
335	40000	.90000	868.00	.1381	.1134	.1393	.4798-02	.3941-02	.4828-02	2.865	24.20	572.3
335	40000	.95000	869.00	.1248	.1026	.1263	.4333-02	.3563-02	.4393-02	2.604	20.84	568.3
335	50000	.00000	871.00	.5502	.4414	.4663	.1911-01	.1533-01	.1619-01	10.07	79.16	642.3
335	50000	.50000-01	872.00	.3518	.2661	.3244	.1222-01	.9938-02	.1127-01	6.919	51.62	603.0
335	50000	.10000+00	873.00	.2064	.1690	.1963	.7170-02	.5859-02	.6817-02	4.202	30.60	583.2
335	50000	.20000	874.00	.1408	.1156	.1353	.4890-02	.4014-02	.4717-02	2.912	20.62	573.7
335	50000	.30000	875.00	.1210	.9940-01	.1173	.4203-02	.3452-02	.4063-02	2.512	17.81	571.5
335	50000	.40000	876.00	.9830-01	.8080-01	.9220-01	.3415-02	.2805-02	.3305-02	2.041	14.47	571.4
335	50000	.50000	877.00	.7290-01	.6000-01	.7070-01	.2533-02	.2083-02	.2455-02	1.524	10.48	567.8
335	50000	.60000	878.00	.1063	.8740-01	.1032	.3692-02	.3035-02	.3585-02	2.218	17.12	568.6
335	55000	.00000	879.00	.6890	.5334	.5713	.2593-01	.1870-01	.1988-01	11.12	88.13	704.6
335	60000	.00000	880.00	.4576	.3656	.3853	.1583-01	.1270-01	.1342-01	8.210	72.25	652.7
335	60000	.25000-01	881.00	.5084	.1101	.4553	.1766-01	.1425-01	.1582-01	9.575	70.59	627.1
335	60000	.50000-01	882.00	.2858	.2322	.2643	.9926-02	.8066-02	.9180-02	5.590	52.50	606.1
335	60000	.75000-01	883.00	.2913	.2376	.2713	.1012-01	.8252-02	.9555-02	5.815	42.11	594.5
335	60000	.10000+00	884.00	.2197	.1801	.2093	.7633-02	.6254-02	.7292-02	4.499	31.76	579.8
335	60000	.20000	885.00	.1429	.1173	.1381	.4963-02	.4074-02	.4798-02	2.957	20.94	573.4
335	60000	.30000	886.00	.1231	.1011	.1149	.4863-02	.3931-02	.4701-02	2.891	19.22	574.8
335	60000	.40000	887.00	.1087	.8930-01	.1053	.3775-02	.3101-02	.3657-02	2.256	15.49	571.6
335	60000	.50000	888.00	.9030-01	.7430-01	.8750-01	.3137-02	.2580-02	.3041-02	1.885	12.96	568.4
335	60000	.60000	889.00	.9380-01	.7690-01	.9370-01	.3259-02	.2672-02	.3222-02	1.929	14.09	577.2
335	60000	.70000	890.00	.1271	.1044	.1263	.4414-02	.3625-02	.4386-02	2.634	18.97	572.4
335	60000	.80000	891.00	.1064	.8070-01	.1073	.3697-02	.3041-02	.3728-02	2.227	16.62	567.0
335	60000	.90000	892.00	.3309	.2670	.2913	.2805-02	.2310-02	.2843-02	1.701	12.73	562.8
335	60000	.00000	893.00	.1596	.1300	.1363	.1149-01	.9274-02	.9778-02	6.238	51.32	626.5
335	70000	.00000	894.00	.2283	.1867	.2054	.5545-02	.4515-02	.4751-02	3.159	40.27	599.5
335	70000	.10000-01	895.00	.2165	.1776	.2064	.7931-02	.6484-02	.7134-02	4.619	41.96	586.9
335	70000	.20000	896.00	.1786	.1467	.1721	.7521-02	.6168-02	.7171-02	4.455	30.51	576.9
335	70000	.30000	897.00	.1444	.1187	.1339	.6203-02	.5097-02	.5973-02	3.713	22.68	570.6
335	70000	.40000	898.00	.1253	.1030	.1213	.5014-02	.4122-02	.4855-02	18.39	18.39	569.1
335	70000	.50000	899.00	.1119	.9190-01	.1184	.4352-02	.3576-02	.4214-02	2.607	16.38	570.3
335	70000	.60000	900.00	.1119	.9190-01	.1184	.3697-02	.3194-02	.3767-02	2.328	14.82	570.3
335	70000	.70000	901.00	.1277	.1030	.1183	.4103-02	.3373-02	.4129-02	2.464	17.49	568.7
335	70000	.80000	902.00	.2277	.1862	.2195	.7911-02	.6467-02	.7138-02	4.603	35.83	587.5
335	70000	.90000	903.00	.3113	.2529	.2784	.1081-01	.8783-02	.9671-02	6.082	46.90	605.8
335	75000	.00000	904.00	.2817	.2306	.2630	.9786-02	.8010-02	.9137-02	5.734	41.75	583.3
335	75000	.10000-01	905.00	.2286	.1874	.2173	.7939-02	.6538-02	.7169-02	4.691	32.10	578.4
335	75000	.20000	906.00	.1567	.1288	.1512	.5444-02	.4475-02	.5250-02	3.255	22.44	569.5
335	75000	.30000	907.00	.1314	.1081	.1273	.4563-02	.3755-02	.4411-02	2.758	17.37	564.7

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL28)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAIN)	H(ISTO) BTU/ R F12SEC	H(ITO) BTU/ R F12SEC	H(TAW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMDT DEG. R /SEC	TW DEG. R
335	.75000	.40000	910.00	.1173	.9640-01	.134	.4074-02	.3349-02	.3940-02	2.443	15.80	569.7
335	.75000	.60000	911.00	.1100	.9040-01	.1065	.3820-02	.3141-02	.3702-02	2.443	15.29	568.8
335	.75000	.80000	912.00	.1339	.1097	.1334	.4652-02	.3810-02	.4597-02	2.736	22.15	581.3
335	.75000	.90000	913.00	.1228	.1010	.1235	.4267-02	.3510-02	.4292-02	2.570	18.56	567.0
335	.75000	.95000	914.00	.1228	.8650-01	.8770-01	.3008-02	.2415-02	.3045-02	1.820	13.61	564.2
335	.80000	.00000	915.00	.3218	.2601	.2741	.1118-01	.9033-02	.9521-02	6.120	54.66	621.7
335	.80000	.20000	916.00	.2531	.2070	.2141	.8793-02	.7190-02	.8475-02	5.122	34.91	586.7
335	.80000	.40000	917.00	.1440	.1183	.1391	.5001-02	.4110-02	.4830-02	2.995	21.24	570.5
335	.80000	.60000	918.00	.1213	.9970-01	.1221	.4215-02	.3464-02	.4236-02	2.529	18.24	569.2
335	.85000	.00000	919.00	.3978	.3215	.3393	.1382-01	.1117-01	.1177-01	7.569	57.95	621.5
335	.85000	.20000	920.00	.2456	.2012	.2352	.8330-02	.6990-02	.8206-02	5.028	35.49	573.9
335	.85000	.40000	921.00	.3709	.3019	.3571	.1289-01	.1049-01	.1241-01	7.332	52.95	600.1
335	.90000	.00000	922.00	.2310	.1887	.1984	.8023-02	.6556-02	.6892-02	4.657	36.24	588.7
335	.90000	.10000	923.00	.2334	.1916	.2234	.8109-02	.6656-02	.7760-02	4.827	35.31	574.0
335	.90000	.20000	924.00	.1140-01	.8800-02	.1180-01	.3958-03	.3055-03	.3747-03	1.740	1.143	729.6
335	.90000	.30000	925.00	.2235	.1834	.2153	.7762-2	.6369-02	.7478-02	4.613	32.64	575.0
335	.90000	.50000	926.00	.3356	.2738	.3237	.1166-01	.9512-02	.1124-01	6.712	47.06	593.6
335	.90000	.80000	927.00	.4219	.3426	.4153	.1465-01	.1190-01	.1444-01	8.229	62.32	607.7
335	.90000	.90000	928.00	.3135	.2557	.3153	.1089-01	.8883-02	.1097-01	6.263	48.60	594.1
335	.95000	.00000	929.00	.1282	.1057	.1103	.4452-02	.3671-02	.3851-02	2.717	20.03	558.9
335	.95000	.50000	930.00	.1764	.1451	.1654	.6128-02	.5039-02	.5744-02	3.693	26.15	568.3
335	.95000	.10000	931.00	.1787	.1469	.1711	.6207-02	.5102-02	.5908-02	3.725	27.31	569.2
335	.95000	.20000	932.00	.1784	.1467	.1717	.6196-02	.5095-02	.5865-02	3.724	25.62	568.2
335	.95000	.30000	933.00	.1756	.1443	.1634	.6098-02	.5014-02	.5884-02	3.563	26.00	568.6
335	.95000	.50000	934.00	.1682	.1545	.1813	.6536-02	.5367-02	.6319-02	3.899	28.54	572.8
335	.95000	.70000	935.00	.3462	.2818	.3373	.1202-01	.9787-02	.1172-01	6.834	50.17	600.9
335	.95000	.80000	936.00	.3319	.2710	.3295	.1153-01	.9412-02	.1145-01	6.662	48.31	591.4
335	.95000	.90000	937.00	.2332	.1911	.2347	.8099-02	.6639-02	.8151-02	4.784	35.51	578.6

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 10.00 SPD8RK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
330	8.000	3.755	30.08	.0000	180.0	859.3	.8800-01	1341.	97.20	3.945	3864.	.7603-04
331	8.000	3.771	30.09	.0000	180.0	861.1	.8800-01	1339.	97.00	3.951	3861.	.7629-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
330	.7824-07	.4905-01	.0175
331	.7810-07	.4907-01	.2093-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(GTO) BTU/ R FT2SEC	H(UTO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
331	.30000	.00000	845.00	.4140-01	.3420-01	.3593-01	.2029-02	.1680-02	.1761-02	1.305	14.41	561.5
331	.30000	.50000-01	846.00	.1237	.9860-01	.1132	.5924-02	.4847-02	.5555-02	3.569	38.62	602.3
331	.30000	.10000+00	847.00	.1091	.8830-01	.1021	.5305-02	.4357-02	.5008-02	3.532	27.32	589.8
331	.30000	.20000	848.00	.1046	.6610-01	.9383-01	.5134-02	.4226-02	.4897-02	3.199	22.56	581.6
331	.30000	.40000	850.00	.5580-01	.4590-01	.5373-01	.2740-02	.2251-02	.2634-02	1.691	11.89	587.4
331	.30000	.50000	851.00	.5670-01	.4660-01	.5503-01	.2784-02	.2285-02	.2697-02	1.709	12.40	590.8
331	.30000	.60000	852.00	.9140-01	.7500-01	.8853-01	.4484-02	.3680-02	.4742-02	2.745	19.90	592.5
331	.30000	.70000	853.00	.1337	.1035	.1295	.6558-02	.5377-02	.6359-02	3.975	27.80	598.6
331	.30000	.80000	854.00	.2012	.1644	.1961	.9670-02	.806-02	.9622-02	5.916	42.61	605.4
331	.30000	.90000	855.00	.2569	.2039	.2564	.1260-01	.1073-01	.1758-01	7.538	53.37	606.6
331	.30000	.95000	856.00	.1873	.1535	.1883	.9189-02	.7526-02	.9255-02	5.622	39.43	592.9
331	.35000	.00000	857.00	.9970-01	.8210-01	.8623-01	.4892-02	.4030-02	.4229-02	3.061	25.78	579.0
331	.40000	.00000	858.00	.1867	.1520	.1593	.9162-02	.7457-02	.7848-02	5.366	52.36	619.0
331	.40000	.50000-01	859.00	.3477	.2815	.3181	.1706-01	.1381-01	.1551-01	9.712	66.71	635.6
331	.40000	.10000+00	860.00	.2256	.1839	.2123	.1107-01	.9022-02	.1042-01	6.531	45.31	614.8
331	.40000	.20000	861.00	.1236	.1012	.1183	.6065-02	.4968-02	.5733-02	3.677	26.57	598.5
331	.40000	.30000	862.00	.1015	.8320-01	.9923-01	.4980-02	.4081-02	.4821-02	3.028	21.20	596.7
331	.40000	.40000	863.00	.8680-01	.7280-01	.8603-01	.4355-02	.3570-02	.4218-02	2.652	19.85	595.9
331	.40000	.50000	864.00	.1255	.1029	.1212	.6157-02	.5051-02	.5948-02	3.763	24.78	593.7

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL28)

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF K=1.0	H/REF (TAW)	H(OTO) BTU/ R FT2SEC	H(OTO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
331	40000	70000	865.00	.1534	.1257	.1485	.7526-02	.6166-02	.7266-02	4.569	30.03	597.6
331	40000	75000	866.00	.1516	.1243	.1474	.7437-02	.6100-02	.7230-02	4.544	32.91	593.8
331	40000	85000	867.00	.3830	.3104	.3783	.1879-01	.1523-01	.1856-01	10.76	77.79	632.2
331	40000	90000	868.00	.3124	.2537	.3144	.1533-01	.1245-01	.1543-01	8.674	73.02	625.8
331	40000	95000	869.00	.2793	.2273	.2833	.1371-01	.1116-01	.1390-01	8.025	62.63	619.3
331	50000	.00000	871.00	.5400	.4268	.4521	.2650-01	.2034-01	.2218-01	3.37	102.2	700.3
331	50000	.00000-01	872.00	.3605	.2907	.3312	.1769-01	.1426-01	.1625-01	9.836	72.05	647.0
331	50000	10000-00	873.00	.2201	.1794	.2091	.1080-01	.8805-02	.1026-01	6.376	45.72	614.5
331	50000	.20000	874.00	.1448	.1186	.1395	.7106-02	.5818-02	.5850-02	30.04	30.04	599.9
331	50000	30000	875.00	.1229	.1007	.1183	.6031-02	.4943-02	.5828-02	4.298	25.67	596.8
331	50000	40000	876.00	.1082	.8870-01	.1047	.5309-02	.4352-02	.5136-02	3.232	22.63	596.1
331	50000	50000	877.00	.1026	.8410-01	.9943-01	.5033-02	.4127-02	.4875-02	3.068	20.82	595.2
331	50000	60000	878.00	.3361	.2725	.3255	.1649-01	.1337-01	.1597-01	9.463	70.86	630.9
331	55000	.00000	879.00	.6216	.4716	.5041	.3050-01	.2314-01	.2474-01	12.84	98.10	783.9
331	60000	.00000	880.00	.4495	.3521	.3737	.2206-01	.1728-01	.1834-01	10.67	90.92	721.0
331	60000	.25000-01	881.00	.5104	.4047	.4530	.2505-01	.1986-01	.2223-01	12.84	91.73	692.3
331	60000	50000-01	882.00	.2952	.2367	.2715	.1448-01	.1162-01	.1332-01	7.654	71.78	662.5
331	60000	75000-01	883.00	.2980	.2406	.2805	.1462-01	.1180-01	.1376-01	8.199	57.95	644.1
331	60000	10000-00	884.00	.2280	.1855	.2174	.1119-01	.9101-02	.1067-01	6.530	45.17	621.1
331	60000	20000	885.00	.1580	.1293	.1527	.7754-02	.6343-02	.7490-02	4.664	32.54	603.3
331	60000	30000	886.00	.1556	.1273	.1503	.7637-02	.6244-02	.7377-02	4.582	30.01	604.8
331	60000	40000	887.00	.1436	.1174	.1385	.7046-02	.5761-02	.6798-02	4.229	28.57	604.6
331	60000	50000	888.00	.1331	.1090	.1283	.6531-02	.5348-02	.6321-02	3.954	26.78	599.2
331	60000	60000	889.00	.1203	.9870-01	.1165	.5905-02	.4842-02	.5720-02	3.559	24.43	595.2
331	60000	80000	891.00	.3701	.2998	.3655	.1816-01	.1471-01	.1794-01	10.36	73.61	634.0
331	60000	85000	892.00	.4281	.3469	.4251	.2100-01	.1702-01	.2066-01	12.02	84.07	632.4
331	60000	90000	893.00	.3902	.3169	.3935	.1915-01	.1555-01	.1931-01	11.08	80.30	626.3
331	60000	95000	894.00	.3250	.2650	.3297	.1595-01	.1258-01	.1618-01	9.417	68.68	614.3
331	60000	10000	895.00	.3210	.2563	.2703	.1575-01	.1300-01	.1329-01	8.359	67.20	674.0
331	70000	.00000	896.00	.1610	.1303	.1373	.7901-02	.6334-02	.6737-02	4.486	56.15	637.0
331	70000	.25000-01	897.00	.2342	.1902	.2099	.1149-01	.9333-02	.1030-01	6.651	59.29	625.9
331	70000	10000-00	898.00	.2155	.1787	.2083	.1077-01	.8769-02	.1025-01	6.317	42.39	618.3
331	70000	20000	899.00	.1871	.1529	.1800	.9179-02	.7502-02	.8834-02	5.497	32.99	605.9
331	70000	30000	900.00	.1567	.1283	.1515	.7689-02	.6297-02	.7440-02	4.634	28.01	599.5
331	70000	40000	901.00	.1636	.1338	.1582	.8025-02	.6567-02	.7763-02	4.838	29.92	601.9
331	70000	50000	902.00	.2291	.1872	.2219	.1124-01	.9185-02	.1068-01	6.720	41.45	607.0
331	70000	60000	903.00	.4297	.3478	.4325	.2108-01	.1706-01	.2122-01	11.98	82.27	636.4
331	75000	.00000	904.00	.2610	.2121	.2233	.1280-01	.1041-01	.1036-01	7.449	57.00	623.0
331	75000	.25000-01	905.00	.3764	.3022	.3344	.1847-01	.1483-01	.1641-01	10.08	75.78	659.0
331	75000	50000-01	906.00	.4144	.3349	.3351	.2033-01	.1643-01	.1889-01	11.46	81.11	641.2
331	75000	10000-00	907.00	.3710	.2997	.3523	.1820-01	.1471-01	.1729-01	10.25	68.03	641.5
331	75000	20000	908.00	.2055	.1678	.1379	.1008-01	.8232-02	.9709-02	6.006	40.48	609.1
331	75000	50000	909.00	.1387	.1137	.1340	.6807-02	.5580-02	.6575-02	4.144	25.70	596.1

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RV1L28)

OH-498 (AEDC V41B-57A) CRBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R F12SEC	H(1TO) BTU/ R F12SEC	H(1AW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMDT DEG. R /SEC	TM DEG. R
331	.75000	.40000	910.00	.1285	.1053	.1242	.6305-02	.5165-02	.6092-02	3.822	24.37	598.6
331	.75000	.60000	911.00	.2899	.2366	.2806	.1422-01	.1161-01	.1377-01	8.459	55.26	610.1
331	.75000	.80000	912.00	.5203	.4174	.5133	.2553-01	.2048-01	.2519-01	13.86	108.0	661.7
331	.75000	.90000	913.00	.4209	.3417	.4235	.2065-01	.1677-01	.2079-01	11.93	83.64	627.1
331	.75000	.95000	914.00	.3135	.2550	.3175	.1538-01	.1251-01	.1558-01	8.978	65.27	621.0
331	.80000	.00000	915.00	.3614	.2893	.3056	.1773-01	.1419-01	.1499-01	9.523	83.20	667.7
331	.80000	.20000	916.00	.5077	.4089	.4878	.2491-01	.2006-01	.2393-01	13.80	91.14	650.9
331	.80000	.40000	917.00	.2089	.1704	.2014	.1025-01	.8361-02	.9885-02	6.072	42.18	612.4
331	.80000	.60000	918.00	.4020	.3258	.4042	.1973-01	.1598-01	.1983-01	11.28	78.85	633.0
331	.85000	.00000	919.00	.1102	.3290	.3474	.2013-01	.1614-01	.1704-01	10.92	81.95	662.4
331	.85000	.20000	920.00	.4612	.3723	.4422	.2263-01	.1827-01	.2170-01	12.67	86.68	644.7
331	.85000	.40000	921.00	.5037	.4054	.4838	.2471-01	.1989-01	.2374-01	13.65	96.10	652.4
331	.90000	.00000	922.00	.2303	.1877	.1974	.1130-01	.9208-02	.9888-02	6.651	51.06	616.2
331	.90000	.10000	923.00	.2873	.2347	.2746	.1410-01	.1152-01	.1347-01	8.434	60.72	606.4
331	.90000	.20000	924.00	.1760-01	.1370-01	.1670-01	.8636-03	.6712-03	.8188-03	4.030	2.639	737.8
331	.90000	.30000	925.00	.4411	.3553	.4235	.2165-01	.1748-01	.2078-01	12.18	83.37	642.2
331	.90000	.50000	926.00	.4211	.3407	.4054	.2066-01	.1672-01	.1989-01	11.72	80.38	637.8
331	.90000	.80000	927.00	.4984	.4005	.4909	.2446-01	.1965-01	.2409-01	13.39	99.04	657.1
331	.90000	.90000	928.00	.3958	.3200	.3969	.1942-01	.1570-01	.1957-01	10.98	83.36	639.3
331	.95000	.00000	929.00	.1280	.1056	.1108	.6279-02	.5180-02	.5435-02	3.962	28.99	573.8
331	.95000	.50000	930.00	.1880	.1544	.1761	.9223-02	.7575-02	.8641-02	5.676	39.88	589.3
331	.95000	.10000	931.00	.2078	.1705	.1977	.1020-01	.8364-02	.9701-02	6.225	45.08	594.4
331	.95000	.20000	932.00	.3003	.2449	.2866	.1474-01	.1202-01	.1416-01	8.719	58.65	613.1
331	.95000	.30000	933.00	.3785	.3067	.3641	.1857-01	.1505-01	.1787-01	10.62	73.03	633.0
331	.95000	.50000	934.00	.3001	.2442	.2856	.1473-01	.1198-01	.1421-01	8.613	61.60	619.9
331	.95000	.70000	935.00	.3932	.3176	.3826	.1929-01	.1558-01	.1878-01	10.85	78.02	642.6
331	.95000	.90000	936.00	.3905	.3165	.3875	.1916-01	.1553-01	.1902-01	10.97	78.00	632.1
331	.95000	.90000	937.00	.2916	.2377	.2935	.1431-01	.1166-01	.1440-01	8.435	61.48	615.3

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AEDC VAF V41B-57A (OH-198) COLLATION DECK

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LOWER WING

OH-45B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL29)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 10.00 SPOBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 ⁶ /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO UGS /FT ³
340	7.900	.5436	40.06	.0000	180.0	109.9	.1200-01	1263.	93.70	.5340	3746.	.1094-04
341	7.900	.5447	40.06	.0000	180.0	110.9	.1200-01	1268.	94.10	.5380	3755.	.1099-04

RUN NUMBER	MU LB-SEC /FT ²	HREF BTU/ R	ST FR R =
340	.7540-07	.1785-01	0.0175
341	.7575-07	.1794-01	.5485-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
341	.30000	.00000	845.00	.4290-01	.3540-01	.3840-01	.7697-03	.6351-03	.6895-03	.4610	5.134	543.2
341	.30000	.50000-01	846.00	.1525	.1254	.1373	.2736-02	.2250-02	.2464-02	1.607	17.81	554.2
341	.30000	.10000+00	847.00	.1327	.1092	.1202	.2381-02	.1959-02	.2156-02	1.404	11.98	552.1
341	.30000	.20000	848.00	.1263	.1040	.1154	.2265-02	.1866-02	.2070-02	1.342	9.017	549.3
341	.30000	.40000	850.00	.8390-01	.6900-01	.7720-01	.1505-02	.1238-02	.1385-02	.8870	6.350	552.1
341	.30000	.50000	851.00	.6880-01	.5660-01	.6380-01	.1235-02	.1016-02	.1145-02	.7270	5.374	553.0
341	.30000	.60000	852.00	.6490-01	.5340-01	.6020-01	.1165-02	.9584-03	.1080-02	.6870	5.078	552.1
341	.30000	.70000	853.00	.5700-01	.4730-01	.5340-01	.1032-02	.8490-03	.9578-03	.6080	4.355	551.9
341	.30000	.80000	854.00	.7660-01	.6310-01	.5320-01	.1023-02	.8417-03	.9547-03	.6040	4.466	551.3
341	.30000	.90000	855.00	.7350-01	.6060-01	.7320-01	.1374-02	.1132-02	.1313-02	.8130	5.922	550.0
341	.30000	.95000	856.00	.1079	.8890-01	.9660-01	.1320-02	.1088-02	.1274-02	.7850	5.637	546.5
341	.35000	.00000	857.00	.1739	.1429	.1554	.1936-02	.1595-02	.1733-02	1.148	9.815	548.7
341	.40000	.00000	858.00	.3472	.2849	.3069	.3121-02	.2564-02	.2789-02	1.824	18.35	557.1
341	.40000	.50000-01	859.00	.2409	.2178	.2178	.4323-02	.5112-02	.5507-02	3.614	25.75	561.5
341	.40000	.10000+00	860.00	.1441	.1185	.1328	.2586-02	.3552-02	.3909-02	2.526	18.03	557.4
341	.40000	.20000	861.00	.1212	.9960-01	.1123	.2174-02	.2126-02	.2382-02	1.517	11.20	555.0
341	.40000	.30000	862.00	.9760-01	.8030-01	.9050-01	.1751-02	.1788-02	.2015-02	1.277	9.132	554.2
341	.40000	.40000	863.00	.8880-01	.7310-01	.8210-01	.1593-02	.1440-02	.1624-02	1.029	7.870	553.7
341	.40000	.60000	864.00					.1311-02	.1474-02	.9420	6.338	550.2

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

IRVIL29)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(10) BTU/ R FT2SEC	H(12) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
341	.40000	.70000	865.00	.8980-01	.7390-01	.8330-01	.1612-02	.1327-02	.1494-02	.9510	6.393	551.9
341	.40000	.75000	866.00	.7040-01	.5790-01	.6950-01	.1263-02	.1040-02	.1175-02	.7470	5.526	550.4
341	.40000	.85000	867.00	.9000-01	.7570-01	.8700-01	.1651-02	.1358-02	.1561-02	.5390	7.279	554.7
341	.40000	.90000	868.00	.9260-01	.7820-01	.8900-01	.1662-02	.1368-02	.1600-02	.9800	8.361	552.1
341	.40000	.95000	869.00	.8180-01	.5740-01	.7900-01	.1468-02	.1209-02	.1425-02	.8680	7.013	550.2
341	.50000	.00000	871.00	.4892	.3997	.4357	.8778-02	.7172-02	.7818-02	4.973	40.40	575.2
341	.50000	.50000-01	872.00	.3526	.2892	.3132	.6327-02	.5190-02	.5619-02	3.662	27.87	562.9
341	.50000	.10000+00	873.00	.2148	.1766	.1948	.3654-02	.3169-02	.3514-02	2.261	16.70	555.0
341	.50000	.20000	874.00	.1479	.1217	.1368	.2654-02	.2184-02	.2451-02	1.563	11.18	552.7
341	.50000	.30000	875.00	.1104	.9090-01	.1022	.1981-02	.1631-02	.1834-02	1.168	8.362	552.0
341	.50000	.40000	876.00	.9930-01	.8170-01	.9200-01	.1781-02	.1466-02	.1550-02	1.050	7.512	552.3
341	.50000	.50000	877.00	.8840-01	.7310-01	.8240-01	.1594-02	.1312-02	.1478-02	.9400	6.521	551.7
341	.50000	.60000	878.00	.8890-01	.7310-01	.8260-01	.1595-02	.1312-02	.1482-02	.9410	7.325	551.8
341	.55000	.00000	879.00	.6335	.5123	.5607	.1039-01	.9193-02	.1006-01	6.099	50.69	605.1
341	.60000	.00000	880.00	.5792	.4692	.5132	.1245-01	.1013-01	.1078-01	5.620	50.71	600.9
341	.60000	.25000-01	881.00	.6938	.5646	.6305	.6934-02	.5575-02	.6162-02	6.906	51.92	586.9
341	.60000	.50000-01	882.00	.3833	.3107	.3378	.6935-02	.5679-02	.6276-02	3.866	36.86	575.2
341	.60000	.75000-01	883.00	.3865	.3165	.3498	.5308-02	.4359-02	.4856-02	3.975	29.16	568.5
341	.60000	.10000+00	884.00	.2958	.2429	.2706	.3207-02	.2638-02	.2968-02	3.034	22.07	558.7
341	.60000	.20000	885.00	.1787	.1470	.1634	.2643-02	.2339-02	.2631-02	1.987	13.50	553.2
341	.60000	.30000	886.00	.1584	.1304	.1466	.2367-02	.1948-02	.2189-02	1.396	11.25	552.8
341	.60000	.40000	887.00	.1319	.1086	.1220	.1925-02	.1585-02	.1786-02	1.287	9.683	551.8
341	.60000	.50000	888.00	.1215	.1000+00	.1127	.1544-02	.1270-02	.1460-02	1.137	8.927	551.5
341	.60000	.60000	889.00	.1073	.8830-01	.9950-01	.2031-02	.1673-02	.1960-02	1.380	6.697	554.5
341	.60000	.80000	891.00	.8610-01	.7080-01	.8140-01	.2343-02	.1928-02	.2227-02	1.380	10.03	552.7
341	.65000	.00000	892.00	.1306	.1074	.1241	.1568-02	.1232-02	.1522-02	1.202	9.051	549.8
341	.65000	.00000	893.00	.1132	.9320-01	.1092	.6498-02	.5303-02	.5783-02	1.320	7.022	547.7
341	.65000	.00000	894.00	.3622	.2955	.3223	.2757-02	.2262-02	.2461-02	3.658	30.80	578.8
341	.65000	.00000	895.00	.1536	.1260	.1372	.4390-02	.3504-02	.3814-02	1.597	20.73	562.5
341	.70000	.25000-01	897.00	.2447	.2009	.2176	.4629-02	.3804-02	.4227-02	2.553	23.50	560.2
341	.70000	.10000+00	898.00	.2580	.2120	.2336	.3066-02	.2524-02	.2842-02	2.707	18.72	557.0
341	.70000	.20000	899.00	.2117	.1741	.1932	.2711-02	.2232-02	.2513-02	2.234	13.76	553.3
341	.70000	.30000	900.00	.1709	.1407	.1594	.2447-02	.2015-02	.2270-02	1.811	11.17	550.8
341	.70000	.40000	901.00	.1511	.1244	.1401	.2349-02	.1934-02	.2262-02	1.604	10.18	550.1
341	.70000	.50000	902.00	.1363	.1123	.1265	.3540-02	.2910-02	.3164-02	1.448	9.189	549.9
341	.70000	.60000	903.00	.1303	.1078	.1260	.5957-02	.4879-02	.5158-02	1.388	16.43	554.5
341	.75000	.00000	904.00	.1973	.1622	.1763	.6030-02	.4951-02	.5404-02	2.077	26.90	567.4
341	.75000	.25000-01	905.00	.3320	.2719	.2874	.5271-02	.4330-02	.4813-02	3.420	25.84	560.0
341	.75000	.50000-01	906.00	.3361	.2759	.3032	.3506-02	.2684-02	.3236-02	3.077	21.27	558.0
341	.75000	.10000+00	907.00	.2938	.2413	.2682	.3046-02	.2508-02	.2819-02	2.060	14.27	554.0
341	.75000	.20000	908.00	.1954	.1507	.1803				1.803	11.44	549.7
341	.75000	.30000	909.00	.1698	.1398	.1571						

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L29)

RUN NUMBER	2Y/B	X/C	T/C NO	H/VREF R=0.9	H/VREF R=1.0	H/VREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
341	.75000	.40000	910.00	.1493	.1230	.1393	.2680-02	.2207-02	.2481-02	1.586	10.36	549.8
341	.75000	.60000	911.00	.1328	.1094	.1233	.2377-02	.1964-02	.2212-02	1.415	9.531	548.1
341	.75000	.80000	912.00	.1263	.1042	.1198	.2277-02	.1871-02	.2150-02	1.336	10.97	554.2
341	.75000	.90000	913.00	.1321	.1088	.1272	.2371-02	.1953-02	.2282-02	1.405	10.24	548.8
341	.75000	.95000	914.00	.9660-01	.7960-01	.9360-01	.1734-02	.1428-02	.1680-02	1.029	7.757	548.0
341	.80000	.00000	915.00	.2630	.2195	.2390	.4809-02	.3939-02	.4289-02	2.764	25.36	566.9
341	.80000	.20000	916.00	.2087	.1716	.1946	.3744-02	.3078-02	.3456-02	2.197	15.21	555.0
341	.80000	.40000	917.00	.1547	.1273	.1430	.2775-02	.2285-02	.2566-02	1.640	11.75	550.7
341	.80000	.60000	918.00	.1412	.1162	.1368	.2533-02	.2086-02	.2437-02	1.499	10.91	550.1
341	.85000	.00000	919.00	.3037	.2490	.2711	.5450-02	.4468-02	.4864-02	3.146	24.78	564.4
341	.85000	.20000	920.00	.2004	.1648	.1847	.3597-02	.2958-02	.3314-02	2.113	15.11	554.1
341	.85000	.40000	921.00	.1684	.1386	.1555	.3022-02	.2487-02	.2791-02	1.783	13.19	551.6
341	.90000	.00000	922.00	.1752	.1441	.1667	.3145-02	.2586-02	.2812-02	1.848	14.63	554.0
341	.90000	.10000+00	923.00	.2275	.1873	.2046	.4083-02	.3360-02	.3743-02	2.408	17.81	551.8
341	.90000	.20000	924.00	.1520-01	.1170-01	.1360-01	.2736-03	.2094-03	.2433-03	1.130	7.440	728.1
341	.90000	.30000	925.00	.1964	.1616	.1812	.3525-02	.2900-02	.3252-02	2.077	14.86	552.5
341	.90000	.50000	926.00	.1666	.1371	.1540	.2989-02	.2460-02	.2764-02	1.765	12.64	551.0
341	.90000	.80000	927.00	.1601	.1318	.1511	.2873-02	.2365-02	.2712-02	1.694	13.19	552.1
341	.90000	.90000	928.00	.1354	.1115	.1305	.2429-02	.2000-02	.2342-02	1.438	11.41	542.6
341	.95000	.00000	929.00	.9250-01	.7640-01	.8290-01	.1660-02	.1370-02	.1489-02	.9950	7.393	542.5
341	.95000	.50000-01	930.00	.1494	.1231	.1345	.2681-02	.2210-02	.2413-02	1.594	11.43	547.3
341	.95000	.10000+00	931.00	.1674	.1378	.1527	.3003-02	.2473-02	.2740-02	1.777	13.16	550.0
341	.95000	.20000	932.00	.1861	.1532	.1715	.3339-02	.2749-02	.3079-02	1.973	13.69	550.7
341	.95000	.30000	933.00	.1913	.1574	.1767	.3432-02	.2825-02	.3100-02	2.025	14.50	551.6
341	.95000	.50000	934.00	.1401	.1154	.1297	.2514-02	.2071-02	.2328-02	1.491	11.05	548.6
341	.95000	.70000	935.00	.1574	.1295	.1469	.2824-02	.2323-02	.2636-02	1.663	12.50	552.7
341	.95000	.80000	936.00	.1721	.1417	.1635	.3088-02	.2542-02	.2934-02	1.825	13.51	550.7
341	.95000	.90000	937.00	.1204	.9930-01	.1160	.2161-02	.1781-02	.2081-02	1.286	9.701	546.4

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV11.29)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 10.00 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.5 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	FO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
336	7.550	2.004	40.12	.0000	180.0	430.8	.4500-01	1292.	94.10	1.999	3792.	.4001-04
337	7.980	2.002	40.05	.0000	180.0	430.7	.4500-01	1292.	94.10	1.999	3793.	.3999-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
336	7.572-07		.3469-01	0.0175
337	7.575-07		.3469-01	.2881-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (T4W)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
337	.30000	.00000	845.00	.4340-01	.3580-01	.3850-01	.1505-02	.1243-02	.1344-02	.9240	10.26	549.2
337	.30000	.50000-01	846.00	.1422	.1164	.1277	.4931-02	.4038-02	.4431-02	2.883	31.56	578.5
337	.30000	.10000+00	847.00	.1466	.1203	.1325	.5085-02	.4173-02	.4599-02	3.008	25.42	571.5
337	.30000	.20000	848.00	.1245	.1023	.1126	.4318-02	.3549-02	.3942-02	2.574	18.29	567.0
337	.30000	.40000	850.00	.7050-01	.5780-01	.6450-01	.2445-02	.2034-02	.2247-02	1.438	10.17	574.9
337	.30000	.50000	851.00	.6520-01	.5340-01	.6030-01	.2260-02	.1851-02	.2092-02	1.323	9.664	577.5
337	.30000	.60000	852.00	.7580-01	.6210-01	.7010-01	.2629-02	.2153-02	.2433-02	1.538	11.23	578.2
337	.30000	.70000	853.00	.6840-01	.5720-01	.6150-01	.3055-02	.2511-02	.2841-02	1.791	12.65	578.9
337	.30000	.80000	854.00	.1143	.9360-01	.1055	.3958-02	.3249-02	.3796-02	2.319	16.92	578.4
337	.30000	.90000	855.00	.2239	.1835	.2137	.7767-02	.6354-02	.7411-02	4.552	32.71	577.0
337	.30000	.95000	856.00	.1930	.1534	.1822	.6595-02	.5455-02	.6458-02	3.967	28.13	570.6
337	.30000	.00000	857.00	.1043	.8580-01	.5310-01	.3617-02	.2977-02	.3235-02	2.173	18.45	562.4
337	.40000	.00000	858.00	.1626	.1387	.1511	.5883-02	.4812-02	.5243-02	3.417	33.94	582.4
337	.40000	.50000-01	859.00	.3354	.2732	.2951	.1163-01	.9478-02	.1024-01	6.607	46.28	595.2
337	.40000	.10000+00	860.00	.2383	.1947	.2148	.8267-02	.6732-02	.7511-02	4.761	33.49	587.2
337	.40000	.20000	861.00	.1438	.1177	.1322	.4987-02	.4092-02	.4585-02	2.909	21.22	579.7
337	.40000	.30000	862.00	.1200	.9820-01	.1110	.4161-02	.3406-02	.3850-02	2.427	17.13	579.8
337	.40000	.40000	863.00	.1055	.8530-01	.9760-01	.3559-02	.2995-02	.3386-02	2.131	16.07	580.7
337	.40000	.60000	864.00	.1154	.9450-01	.1055	.4001-02	.3279-02	.3695-02	2.348	15.59	576.4

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) CRBITER LOWER WING

(RV1L29)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
337	.40000	.70000	865.00	.1359	.1113	.1258	.4714-02	.3862-02	.4362-02	2.759	18.32	577.8
337	.40000	.75000	866.00	.1199	.9830-01	.1114	.4157-02	.3409-02	.3864-02	2.445	17.88	575.0
337	.40000	.80000	867.00	.3376	.2751	.3164	.1171-01	.9544-02	.1104-01	6.663	49.08	594.1
337	.40000	.90000	868.00	.3110	.2536	.2969	.1079-01	.8798-02	.1037-01	6.162	51.55	592.0
337	.40000	.95000	869.00	.2873	.2345	.2764	.9865-02	.8134-02	.9658-02	5.720	45.31	589.1
337	.50000	.00000	871.00	.4785	.3868	.4234	.1660-01	.1342-01	.1469-01	9.046	71.94	618.1
337	.50000	.50000-01	872.00	.3416	.2778	.3018	.1185-01	.9636-02	.1047-01	6.664	49.77	600.8
337	.50000	.10000+00	873.00	.2157	.1763	.1960	.7481-02	.6116-02	.6800-02	4.330	31.51	584.3
337	.50000	.20000	874.00	.1484	.1216	.1368	.5148-02	.4218-02	.4746-02	3.016	21.32	577.2
337	.50000	.30000	875.00	.1143	.9370-01	.1056	.3965-02	.3250-02	.3664-02	2.330	16.48	575.4
337	.50000	.40000	876.00	.1017	.8330-01	.1056	.3526-02	.2889-02	.3261-02	2.066	14.60	577.3
337	.50000	.50000	877.00	.9320-01	.7640-01	.8630-01	.3232-02	.2649-02	.2993-02	1.896	12.98	576.6
337	.50000	.60000	878.00	.2948	.2405	.2730	.1023-01	.8342-02	.9468-02	5.850	44.66	591.1
337	.55000	.00000	879.00	.6077	.4814	.5312	.2108-01	.1670-01	.1842-01	10.38	83.63	670.5
337	.60000	.00000	880.00	.5757	.4572	.5040	.1997-01	.1586-01	.1748-01	9.956	87.11	664.5
337	.60000	.25000-01	881.00	.6929	.5551	.5929	.2403-01	.1925-01	.2057-01	12.51	91.55	642.5
337	.60000	.50000-01	882.00	.3842	.3103	.3369	.1333-01	.1076-01	.1176-01	7.223	67.34	621.1
337	.60000	.75000-01	883.00	.3638	.3113	.3456	.1331-01	.1080-01	.1199-01	7.388	53.14	608.2
337	.60000	.10000+00	884.00	.2862	.2334	.2610	.9327-02	.8096-02	.9052-02	5.670	39.79	591.9
337	.60000	.20000	885.00	.1807	.1479	.1668	.6667-02	.5129-02	.5787-02	3.651	25.77	580.5
337	.60000	.30000	886.00	.1595	.1305	.1473	.5532-02	.4528-02	.5109-02	3.222	21.36	580.6
337	.60000	.40000	887.00	.1349	.1104	.1244	.4678-02	.3830-02	.4315-02	2.730	18.67	579.6
337	.60000	.50000	888.00	.1248	.1023	.1155	.4339-02	.3547-02	.4007-02	2.537	17.37	577.1
337	.60000	.60000	889.00	.1180	.9570-01	.1053	.4093-02	.3354-02	.3790-02	2.401	16.44	576.5
337	.60000	.80000	891.00	.1878	.1534	.1773	.6515-02	.5320-02	.6148-02	3.746	27.21	588.2
337	.60000	.85000	892.00	.2403	.1965	.2260	.8335-02	.6815-02	.7909-02	4.827	34.56	584.0
337	.60000	.90000	893.00	.2295	.1878	.2212	.7959-02	.6515-02	.7673-02	4.468	34.40	580.3
337	.65000	.95000	894.00	.2012	.1650	.1952	.6980-02	.5723-02	.6770-02	4.107	30.54	574.7
337	.65000	.00000	895.00	.3552	.2871	.3143	.1232-01	.9558-02	.1030-01	6.707	55.37	618.8
337	.70000	.00000	896.00	.1546	.1262	.1376	.5362-02	.4376-02	.4772-02	3.076	39.41	589.4
337	.70000	.25000-01	897.00	.2462	.2011	.2131	.8539-02	.6976-02	.7352-02	4.924	44.74	586.5
337	.70000	.50000	898.00	.2629	.2149	.2365	.9119-02	.7456-02	.8308-02	5.281	36.04	594.0
337	.70000	.75000	899.00	.2065	.1691	.1901	.7166-02	.5966-02	.6586-02	4.179	25.40	579.9
337	.70000	.90000	900.00	.1665	.1364	.1540	.5776-02	.4733-02	.5343-02	3.386	20.62	576.8
337	.70000	.40000	901.00	.1530	.1253	.1415	.5306-02	.4347-02	.4903-02	3.110	19.47	577.0
337	.70000	.50000	902.00	.1440	.1180	.1323	.4934-02	.4094-02	.4625-02	2.934	18.38	575.6
337	.70000	.60000	903.00	.2338	.1912	.2248	.8108-02	.6631-02	.7797-02	4.704	33.15	583.0
337	.75000	.00000	904.00	.1584	.1627	.1771	.6891-02	.5644-02	.6142-02	4.060	31.84	573.0
337	.75000	.25000-01	905.00	.3248	.2641	.2767	.1127-01	.9161-02	.9702-02	6.337	49.02	600.5
337	.75000	.50000-01	906.00	.3375	.2755	.3015	.1171-01	.9357-02	.1046-01	5.725	48.84	588.6
337	.75000	.10000+00	907.00	.2941	.2402	.2678	.1020-01	.8333-02	.9290-02	5.879	40.07	586.8
337	.75000	.20000	908.00	.2003	.1640	.1845	.6348-02	.5668-02	.6400-02	4.054	27.72	579.7
337	.75000	.30000	909.00	.1676	.1374	.1548	.5814-02	.4765-02	.5370-02	3.416	21.41	575.5

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) (ORBITER LOWER WING

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(RV1L29)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(C9T0) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
337	.75000	.40000	910.00	.1472	.1206	.1359	.5104-02	.4182-02	.4715-02	2.990	19.27	577.3
337	.75000	.60000	911.00	.1401	.1149	.1297	.4859-02	.3984-02	.4500-02	2.862	19.03	574.1
337	.75000	.80000	912.00	.1896	.1547	.1788	.6577-02	.5365-02	.6201-02	3.763	30.34	590.8
337	.75000	.90000	913.00	.2114	.1731	.2033	.7333-02	.6006-02	.7051-02	4.291	30.81	578.0
337	.75000	.95000	914.00	.1637	.1342	.1585	.5678-02	.4654-02	.5498-02	3.335	24.79	575.7
337	.80000	.00000	915.00	.2638	.2146	.2343	.9149-02	.7442-02	.8126-02	5.155	46.55	599.6
337	.80000	.20000	916.00	.2079	.1702	.1916	.7212-02	.5903-02	.6645-02	4.203	28.74	580.2
337	.80000	.40000	917.00	.1503	.1231	.1387	.5215-02	.4269-02	.4811-02	3.041	21.46	580.0
337	.80000	.60000	918.00	.2368	.1935	.2274	.8214-02	.6714-02	.7889-02	4.751	34.01	584.6
337	.85000	.00000	919.00	.2996	.2441	.2683	.1039-01	.8466-02	.9238-02	5.906	45.81	594.8
337	.85000	.20000	920.00	.2078	.1700	.1910	.7206-02	.5838-02	.6525-02	4.196	25.61	580.8
337	.85000	.40000	921.00	.1693	.1385	.1559	.5872-02	.4804-02	.5409-02	3.410	24.85	582.3
337	.90000	.00000	922.00	.1670	.1371	.1491	.5792-02	.4755-02	.5173-02	3.430	26.93	570.9
337	.90000	.10000+00	923.00	.2226	.1825	.2037	.7720-02	.6329-02	.7065-02	4.538	33.18	575.3
337	.90000	.20000	924.00	.1430-01	.1100-01	.1270-01	.4949-03	.3817-03	.4417-03	2.160	1.419	727.2
337	.90000	.30000	925.00	.1947	.1594	.1792	.6753-02	.5528-02	.6216-02	3.938	27.80	579.9
337	.90000	.50000	926.00	.1631	.1335	.1504	.5657-02	.4629-02	.5218-02	3.292	23.22	581.1
337	.90000	.60000	927.00	.3403	.2766	.3200	.1181-01	.9595-02	.1110-01	6.620	50.27	602.3
337	.90000	.80000	928.00	.3015	.2458	.2901	.1046-01	.8527-02	.1006-01	5.965	46.32	582.7
337	.95000	.00000	929.00	.9140-01	.7550-01	.6190-01	.3170-02	.2619-02	.2841-02	1.945	14.40	549.6
337	.95000	.50000-01	930.00	.1488	.1225	.1338	.5160-02	.4249-02	.4642-02	3.111	22.18	560.1
337	.95000	.10000+00	931.00	.1652	.1358	.1516	.5731-02	.4709-02	.5223-02	3.414	25.06	567.3
337	.95000	.20000	932.00	.1852	.1519	.1704	.6422-02	.5269-02	.5911-02	3.793	26.03	572.5
337	.95000	.30000	933.00	.1836	.1505	.1693	.6369-02	.5219-02	.5871-02	3.733	26.39	576.9
337	.95000	.50000	934.00	.1290	.1058	.1192	.4473-02	.3669-02	.4134-02	2.638	19.31	573.3
337	.95000	.70000	935.00	.3374	.2740	.3134	.1170-01	.9505-02	.1087-01	6.543	47.96	604.0
337	.95000	.80000	936.00	.4154	.3378	.3934	.1441-01	.1172-01	.1364-01	8.106	58.53	600.5
337	.95000	.90000	937.00	.3065	.2504	.2947	.1063-01	.8635-02	.1022-01	6.135	45.37	586.0

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 10.00 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
332	8.000	3.801	40.13	.0000	180.0	860.1	.8800-01	1331.	96.40	3.947	3849.	.7665-04
333	8.000	3.828	40.14	.0000	180.0	861.1	.8800-01	1325.	96.00	3.951	3842.	.7705-04

RUN NUMBER	MU LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
332	.7763-07	.4899-01	0.0175
333	.7733-07	.4898-01	.2081-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(5TO) BTU/ R FT ² SEC	H(1TO) BTU/ R FT ² SEC	H(1TAW) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTWDT DEG. R /SEC	TW DEG. R
333	.30000	.00000	845.00	.4460-01	.3690-01	.4000-01	.2186-02	.1808-02	.1962-02	1.387	15.34	558.3
333	.30000	.50000-01	846.00	.1371	.1118	.1228	.6715-02	.5476-02	.6017-02	3.933	42.46	607.1
333	.30000	.10000+00	847.00	.1254	.1034	.1140	.6193-02	.5065-02	.5586-02	3.695	30.85	595.9
333	.30000	.20000	848.00	.1241	.1018	.1131	.6080-02	.4985-02	.5542-02	3.671	25.79	589.1
333	.30000	.40000	850.00	.9480-01	.7740-01	.8600-01	.4642-02	.3792-02	.4258-02	2.744	19.16	601.8
333	.30000	.50000	851.00	.1581	.1287	.1460	.7746-02	.6305-02	.7149-02	4.494	32.25	612.7
333	.30000	.60000	852.00	.2567	.2084	.2366	.1257-01	.1021-01	.1159-01	7.191	51.41	620.9
333	.30000	.70000	853.00	.3225	.2609	.2973	.1580-01	.1278-01	.1456-01	8.859	60.95	632.1
333	.30000	.80000	854.00	.3443	.2781	.3190	.1685-01	.1362-01	.1563-01	9.391	66.64	636.0
333	.30000	.90000	855.00	.2948	.2396	.2806	.1444-01	.1173-01	.1374-01	8.305	58.49	617.7
333	.30000	.00000	856.00	.2441	.1931	.2351	.1196-01	.9754-02	.1152-01	7.014	48.87	606.3
333	.30000	.00000	857.00	.1057	.8630-01	.9450-01	.5175-02	.4256-02	.4628-02	3.174	26.72	579.5
333	.40000	.00000	858.00	.1779	.1449	.1581	.8712-02	.7096-02	.7746-02	5.070	49.66	610.9
333	.40000	.50000-01	859.00	.3483	.2816	.3048	.1706-01	.1379-01	.1493-01	9.543	65.61	633.6
333	.40000	.10000+00	860.00	.2601	.2110	.2335	.1274-01	.1034-01	.1144-01	7.268	50.24	622.3
333	.40000	.20000	861.00	.1847	.1504	.1634	.9049-02	.7366-02	.8297-02	5.251	37.69	612.6
333	.40000	.30000	862.00	.2085	.1695	.1923	.1021-01	.8304-02	.9419-02	5.884	40.79	616.8
333	.40000	.40000	863.00	.2462	.1998	.2269	.1206-01	.9787-02	.1112-01	6.889	50.93	621.5
333	.40000	.60000	864.00	.3680	.2986	.3383	.1803-01	.1462-01	.1657-01	10.27	66.65	623.1

REPRODUCIBILITY OF THE
ORIGINAL PAPER

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(GTO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
333	40000	70000	865.00	3849	3113	3542	1885-01	1525-01	1735-01	10.57	68.29	632.4
333	40000	75000	866.00	3374	2736	3121	1653-01	1340-01	1529-01	9.391	67.01	624.7
333	40000	80000	867.00	4223	3403	3937	2068-01	1667-01	1943-01	11.39	81.97	642.1
333	40000	85000	868.00	3505	2830	3350	1717-01	1386-01	1646-01	9.551	78.19	636.5
333	40000	90000	869.00	3263	2638	3156	1598-01	1292-01	1546-01	7.948	69.37	633.0
333	50000	00000	871.00	4749	3757	4176	2326-01	1860-01	2046-01	12.31	95.76	663.7
333	50000	50000-01	872.00	3676	2960	3236	1801-01	1450-01	1580-01	9.870	72.15	644.8
333	50000	10000+00	873.00	2469	2005	2236	1209-01	9823-02	1085-01	6.936	49.62	619.4
333	50000	20000	874.00	1904	1551	1734	9438-02	7689-02	8676-02	5.501	38.26	610.0
333	50000	30000	875.00	3737	1773	1711	9327-02	7598-02	8592-02	5.433	37.78	610.4
333	50000	40000	876.00	3086	1571	2039	1512-01	8684-02	9839-02	6.172	42.83	614.6
333	50000	50000	877.00	5692	1773	2039	1067-01	1227-01	1394-01	8.622	57.73	622.6
333	50000	60000	878.00	5701	1571	1711	1831-01	1476-01	1686-01	10.11	75.33	640.7
333	50000	70000	879.00	5692	1571	1711	2788-01	2163-01	2408-01	12.79	99.95	734.3
333	60000	80000	880.00	2177	1779	2014	2793-01	2170-01	2414-01	12.91	109.5	730.6
333	60000	90000-01	881.00	6826	5353	5749	3344-01	2622-01	2716-01	16.10	114.0	783.0
333	60000	50000-01	882.00	4055	3226	3546	1931-01	1580-01	1737-01	10.15	91.87	683.0
333	60000	75000-01	883.00	4148	3317	3736	2032-01	1625-01	1815-01	10.74	75.22	664.1
333	60000	10000+00	884.00	3245	2620	2944	1590-01	1283-01	1442-01	8.833	60.62	637.2
333	60000	20000	885.00	2187	1769	2014	1071-01	8714-02	9864-02	6.184	42.89	615.7
333	60000	30000	886.00	2177	1769	2014	1066-01	8666-02	9814-02	6.131	39.90	617.9
333	60000	40000	887.00	2119	1721	1947	1038-01	8432-02	9539-02	5.957	39.96	618.9
333	60000	50000	888.00	2217	1804	2045	1065-01	8834-02	1002-01	6.282	42.24	614.3
333	60000	60000	889.00	2380	1938	2137	1166-01	9492-02	1076-01	6.770	45.56	612.2
333	60000	70000	891.00	4842	3890	4544	2332-01	1906-01	2226-01	12.86	90.58	650.8
333	60000	85000	892.00	4765	3842	4522	2374-01	1862-01	2205-01	12.88	89.65	641.2
333	60000	95000	893.00	4147	3353	3937	2032-01	1643-01	1953-01	11.37	82.18	633.2
333	60000	00000	894.00	3445	2797	3335	1688-01	1370-01	1633-01	9.651	70.15	621.0
333	65000	00000	895.00	3494	2799	3076	1711-01	1371-01	1507-01	9.136	73.98	659.0
333	70000	00000	896.00	1616	1312	1434	7918-02	6427-02	7026-02	4.526	57.09	621.2
333	70000	25000-01	897.00	2559	2083	2211	1259-01	1020-01	1083-01	7.138	63.64	625.7
333	70000	50000	898.00	2309	2273	2545	1376-01	1113-01	1247-01	7.729	51.54	631.2
333	70000	75000	899.00	2482	2017	2277	1216-01	9979-02	1115-01	6.982	41.64	618.7
333	70000	90000	901.00	2104	1714	1941	1031-01	8393-02	9506-02	5.996	35.99	611.1
333	70000	00000	902.00	2068	1684	1977	1013-01	8249-02	9343-02	5.885	36.22	612.0
333	70000	60000	903.00	2176	1773	2039	1065-01	8682-02	9643-02	6.200	38.17	611.3
333	70000	90000	904.00	4606	3715	4415	2256-01	1820-01	2163-01	12.46	85.34	640.8
333	75000	00000	905.00	2308	1885	2036	1131-01	9233-02	1007-01	6.672	51.55	602.9
333	75000	25000-01	906.00	3340	2690	2855	1636-01	1318-01	1399-01	8.972	67.93	644.5
333	75000	50000-01	907.00	3454	2690	3073	1697-01	1359-01	1505-01	9.408	66.68	638.4
333	75000	75000	908.00	3182	2568	2630	1559-01	1248-01	1411-01	8.639	57.39	638.7
333	75000	90000	909.00	2391	1941	2134	1171-01	9507-02	1074-01	6.691	44.82	621.7
333	75000	30000	909.00	2151	1752	1930	1053-01	8581-02	9700-02	6.134	37.77	610.6

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING (RV1L29)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
333	.75000	.40000	910.00	.1970	.1604	.1815	.9651-02	.7856-02	.8888-02	5.600	35.46	612.6
333	.75000	.60000	911.00	.2001	.1631	.1848	.9603-02	.7991-02	.9054-02	5.731	37.47	608.3
333	.75000	.80000	912.00	.5913	.4723	.5537	.2896-01	.2313-01	.2712-01	15.24	118.4	666.9
333	.75000	.90000	913.00	.4736	.4540	.4540	.2820-01	.1876-01	.2224-01	12.98	90.73	633.3
333	.75000	.95000	914.00	.3679	.2977	.3553	.1802-01	.1458-01	.1740-01	10.14	73.35	630.4
333	.80000	.00000	915.00	.2734	.2203	.2416	.1339-01	.1079-01	.1183-01	7.370	65.16	642.6
333	.80000	.20000	916.00	.2525	.2047	.2316	.1237-01	.1003-01	.1135-01	7.025	46.99	624.9
333	.80000	.40000	917.00	.2055	.1670	.1899	.1007-01	.8179-02	.9253-02	5.780	40.03	618.7
333	.80000	.60000	918.00	.5006	.4028	.4790	.2452-01	.1973-01	.2346-01	13.39	92.98	645.8
333	.85000	.00000	919.00	.3113	.2516	.2735	.1525-01	.1232-01	.1349-01	8.514	64.78	634.5
333	.85000	.20000	920.00	.2485	.2011	.2272	.1217-01	.9850-02	.1113-01	6.945	47.14	630.5
333	.85000	.40000	921.00	.2225	.1803	.2041	.1090-01	.8831-02	.9995-02	6.168	43.96	627.0
333	.90000	.00000	922.00	.1739	.1423	.1530	.8517-02	.6970-02	.7595-02	5.088	39.46	595.5
333	.90000	.10000+00	923.00	.2541	.2064	.2314	.1244-01	.1011-01	.1134-01	7.149	51.17	618.4
333	.90000	.20000	924.00	.1420-01	.1100-01	.1270-01	.6239-03	.5380-03	.6205-03	3.170	2.079	735.6
333	.90000	.30000	925.00	.2424	.1962	.2219	.1187-01	.9639-02	.1087-01	6.679	45.99	630.3
333	.90000	.50000	926.00	.2239	.1815	.2056	.1097-01	.8891-02	.1007-01	6.225	42.97	625.3
333	.90000	.80000	927.00	.6298	.5019	.5831	.3085-01	.2459-01	.2881-01	16.05	117.8	672.5
333	.90000	.90000	928.00	.4710	.3785	.4516	.2307-01	.1834-01	.2212-01	12.51	94.46	650.6
333	.95000	.00000	929.00	.9900-01	.8180-01	.8830-01	.4849-02	.4008-02	.4350-02	3.064	22.56	561.0
333	.95000	.50000-01	930.00	.1605	.1318	.1442	.7854-02	.6458-02	.7061-02	4.788	33.72	584.1
333	.95000	.10000+00	931.00	.1839	.1503	.1671	.9007-02	.7352-02	.8184-02	5.342	38.58	599.8
333	.95000	.20000	932.00	.2136	.1738	.1958	.1046-01	.8513-02	.9591-02	6.053	40.69	614.4
333	.95000	.30000	933.00	.2217	.1799	.2034	.1086-01	.8810-02	.9964-02	6.184	42.73	623.5
333	.95000	.50000	934.00	.1642	.1336	.1512	.8041-02	.6345-02	.7405-02	4.664	33.47	612.8
333	.95000	.70000	935.00	.6508	.5172	.5933	.3189-01	.2534-01	.2936-01	16.36	115.6	679.7
333	.95000	.80000	936.00	.5753	.4610	.5423	.2818-01	.2458-01	.2656-01	15.07	105.8	658.1
333	.95000	.90000	937.00	.5977	.5215	.5814	.1948-01	.1575-01	.1868-01	10.90	78.78	633.2

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L30)

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = 15.00 SPD8RK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
360	7.980	1.985	19.97	.0000	180.0	428.5	.4500-01	1295.	94.30	1.989	3797.	.3969-04
361	7.980	1.987	19.99	.0000	180.0	430.1	.4500-01	1293.	94.20	1.996	3794.	.3991-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
360	.7582-07		.3461-01	0.0175
361	.7580-07		.3467-01	.2884-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TM DEG. R
361	.30000	.00000	845.00	.3890-01	.3220-01	.3230-01	.1349-02	.1116-02	.1140-02	.8330	9.260	547.0
361	.30000	.50000-01	846.00	.1023	.8410-01	.1005	.3546-02	.2914-02	.3484-02	2.116	23.30	567.2
361	.30000	.10000+00	847.00	.8730-01	.7190-01	.8630-01	.3027-02	.2492-02	.2991-02	1.824	15.49	561.4
361	.30000	.20000	848.00	.8160-01	.6730-01	.8140-01	.2830-02	.2333-02	.2623-02	1.719	12.27	556.7
361	.30000	.40000	850.00	.4590-01	.3780-01	.4610-01	.1590-02	.1310-02	.1599-02	.9640	6.878	557.9
361	.30000	.50000	851.00	.3930-01	.3240-01	.3980-01	.1361-02	.1122-02	.1379-02	.8260	6.096	557.0
361	.30000	.60000	852.00	.3630-01	.3160-01	.3680-01	.1327-02	.1094-02	.1344-02	.8070	5.955	556.1
361	.30000	.70000	853.00	.3470-01	.2860-01	.3520-01	.1203-02	.9920-03	.1219-02	.7330	5.237	554.7
361	.30000	.80000	854.00	.3940-01	.3250-01	.4020-01	.1367-02	.1128-02	.1393-02	.8330	6.157	554.4
361	.30000	.90000	855.00	.1040	.6550-01	.1031	.3604-02	.2965-02	.3747-02	2.163	15.64	556.8
361	.30000	.95000	856.00	.8180-01	.6740-01	.3570-01	.2836-02	.2338-02	.2971-02	1.722	12.29	556.8
361	.30000	.00000	857.00	.9700-01	.7590-01	.9160-01	.3363-02	.2763-02	.2829-02	2.025	17.20	561.7
361	.30000	.00000	858.00	.2105	.1716	.1755	.7296-02	.5347-02	.6035-02	4.161	41.10	593.7
361	.30000	.50000-01	859.00	.3453	.2814	.3319	.1197-01	.9755-02	.1151-01	6.819	47.79	594.3
361	.30000	.10000+00	860.00	.1906	.1563	.1882	.6609-02	.5418-02	.6525-02	3.888	27.50	575.7
361	.30000	.20000	861.00	.9060-01	.7460-01	.3120-01	.3142-02	.2585-02	.3163-02	1.883	13.84	564.5
361	.30000	.30000	862.00	.6540-01	.5460-01	.5720-01	.2301-02	.1895-02	.2329-02	1.388	9.889	560.8
361	.30000	.40000	863.00	.5450-01	.4520-01	.5460-01	.1903-02	.1568-02	.1928-02	1.153	8.793	558.2
361	.30000	.50000	864.00	.4640-01	.3930-01	.4680-01	.1676-02	.1363-02	.1693-02	1.020	6.849	555.2

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(RVIL30)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(GTO) BTU/R FT2SEC	H(GTO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
361	40000	70000	865.00	5250-01	4340-01	5330-01	1824-02	1504-02	1846-02	1.108	7.431	556.6
361	40000	75000	866.00	3400-01	2810-01	3450-01	1180-02	9733-03	1198-02	7200	5.320	553.7
361	40000	85000	867.00	1723	1412	1778	5972-02	4896-02	6164-02	3.133	26.11	575.8
361	40000	90000	868.00	1529	1254	1601	5300-02	4349-02	5550-02	3.399	26.46	572.4
361	40000	95000	869.00	1658	1360	1746	5746-02	4715-02	6053-02	3.399	27.15	572.4
361	50000	00000	871.00	3021	4432	4544	1923-01	1537-01	1575-01	9.883	45.01	650.0
361	50000	50000-01	872.00	3021	2464	2922	1047-01	8543-02	1013-01	5.998	24.70	591.2
361	50000	10000-00	873.00	1641	1347	1634	5690-02	4670-02	5665-02	3.371	18.16	571.4
361	50000	20000	874.00	1228	1010	1239	4259-02	3503-02	4296-02	2.553	15.70	564.4
361	50000	70000	875.00	1061	8730-01	1072	3677-02	3025-02	3717-02	2.206	14.04	561.5
361	50000	40000	876.00	9440-01	7770-01	4550-01	3271-02	2693-02	3310-02	1.970	10.85	559.3
361	50000	60000	877.00	7490-01	6170-01	7530-01	2596-02	2139-02	2830-02	1.570	26.05	574.4
361	50000	90000	878.00	1656	1358	1630	5740-02	4708-02	5826-02	3.384	70.38	661.5
361	50000	00000	879.00	4996	3973	4075	1732-01	1377-01	1413-01	8.701	66.57	654.8
361	60000	00000	880.00	4290	3421	3508	1487-01	1186-01	1216-01	7.573	66.57	654.8
361	60000	25000-01	881.00	4801	3875	4510	1664-01	1343-01	1563-01	9.010	66.57	622.5
361	60000	50000-01	882.00	2618	2131	2540	9077-02	7387-02	8805-02	5.133	48.39	598.5
361	60000	75000-01	883.00	2618	2139	2532	9076-02	7415-02	8985-02	5.241	38.10	586.5
361	60000	10000-00	884.00	1987	1630	1938	6890-02	5651-02	6890-02	4.064	28.77	574.1
361	60000	20000	885.00	1299	1060	1322	4455-02	3675-02	4513-02	2.687	19.14	562.1
361	60000	30000	886.00	8500-01	7000-01	8530-01	2948-02	2428-02	2979-02	1.782	11.93	559.5
361	60000	40000	887.00	5670-01	4670-01	5720-01	1964-02	1618-02	1993-02	1.189	8.219	558.5
361	60000	50000	888.00	5480-01	4520-01	5550-01	1901-02	1567-02	1925-02	1.152	7.965	557.9
361	60000	60000	889.00	5520-01	4550-01	5630-01	1915-02	1579-02	1940-02	1.184	8.058	556.0
361	60000	80000	891.00	1950	1595	2013	6759-02	5529-02	6978-02	3.931	28.64	582.3
361	60000	85000	892.00	1938	1637	2071	6926-02	5676-02	7179-02	4.066	29.22	576.9
361	60000	90000	893.00	1884	1546	1976	6530-02	5360-02	6850-02	3.867	28.80	571.9
361	60000	95000	894.00	1757	1444	1850	6091-02	5005-02	6414-02	3.630	27.08	568.0
361	65000	00000	895.00	3202	2579	2642	1110-01	8941-02	9159-02	5.941	44.80	612.9
361	70000	00000	896.00	1652	1500	1535	6420-02	5193-02	5323-02	3.537	44.80	612.9
361	70000	25000-01	897.00	2312	1890	2174	8017-02	6553-02	7535-02	4.640	42.20	585.1
361	70000	10000-00	898.00	1523	1253	1519	5278-02	4344-02	5268-02	3.173	21.88	562.9
361	70000	20000	899.00	1195	9840-01	1204	4144-02	3413-02	4176-02	2.501	15.35	560.5
361	70000	30000	900.00	1208	9950-01	1223	4189-02	3450-02	4240-02	2.527	15.50	560.8
361	70000	40000	901.00	1116	9190-01	1129	3867-02	3166-02	3914-02	2.339	14.77	559.2
361	70000	50000	902.00	1189	9790-01	1205	4123-02	3393-02	4176-02	2.480	15.34	562.4
361	70000	60000	903.00	2397	1563	2511	8308-02	6805-02	8705-02	4.854	34.36	578.5
361	70000	70000	904.00	2843	2311	2355	9654-02	8013-02	8290-02	5.455	42.87	601.3
361	75000	00000	905.00	3876	3136	3622	1344-01	1087-01	1256-01	7.360	56.49	616.2
361	75000	50000-01	906.00	2653	2337	2790	9892-02	8121-02	9672-02	5.788	42.24	578.8
361	75000	10000-00	907.00	1972	1620	1958	6836-02	5617-02	6821-02	4.076	28.04	567.6
361	75000	20000	908.00	1229	1014	1239	4260-02	3514-02	4295-02	2.593	17.95	555.2
361	75000	30000	909.00	1754	1444	1772	6082-02	5004-02	6145-02	3.653	23.03	563.3

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(11A) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
361	.75000	.40000	910.00	.2283	.1873	.2308	.7914-02	.6494-02	.8001-02	4.679	30.22	572.7
361	.75000	.60000	911.00	.1979	.1627	.2005	.6860-02	.5640-02	.6949-02	4.101	27.38	566.2
361	.75000	.80000	912.00	.2157	.1784	.2226	.7478-02	.6117-02	.7717-02	4.347	35.18	582.7
361	.75000	.90000	913.00	.1662	.1367	.1739	.5762-02	.4739-02	.6028-02	3.451	24.94	565.0
361	.75000	.95000	914.00	.1364	.1122	.1434	.4728-02	.3890-02	.4971-02	2.839	21.23	563.4
361	.80000	.00000	915.00	.3521	.2837	.2906	.1221-01	.9834-02	.1007-01	6.543	58.26	627.9
361	.80000	.20000	916.00	.1210	.9980-01	.1221	.4195-02	.3450-02	.4231-02	2.554	17.68	555.2
361	.80000	.40000	917.00	.1107	.9130-01	.1117	.3837-02	.3166-02	.3874-02	2.340	16.73	554.2
361	.80000	.60000	918.00	.3005	.2456	.3148	.1042-01	.8515-02	.1091-01	6.029	43.14	585.3
361	.85000	.00000	919.00	.4191	.3375	.3457	.1453-01	.1170-01	.1198-01	7.774	59.31	628.8
361	.85000	.20000	920.00	.1320	.1088	.1328	.4575-02	.3771-02	.4604-02	2.777	19.83	556.9
361	.85000	.40000	921.00	.9590-01	.7910-01	.9570-01	.3323-02	.2741-02	.3352-02	2.023	14.94	555.1
361	.90000	.00000	922.00	.2528	.2060	.2108	.8764-02	.7143-02	.7308-02	4.992	38.73	594.4
361	.90000	.10000+00	923.00	.1910	.1571	.1912	.6620-02	.5445-02	.6628-02	3.968	29.17	564.5
361	.90000	.20000	924.00	.9000-02	.6900-02	.9000-02	.3112-03	.2392-03	.3131-03	1.340	8.760	734.6
361	.90000	.30000	925.00	.1302	.1074	.1312	.4513-02	.3722-02	.4547-02	2.746	19.62	555.4
361	.90000	.50000	926.00	.9680-01	.7980-01	.9770-01	.3354-02	.2768-02	.3386-02	2.046	14.63	554.0
361	.90000	.80000	927.00	.2184	.1789	.2219	.7570-02	.6203-02	.7797-02	4.444	34.17	576.8
361	.90000	.90000	928.00	.2077	.1703	.2178	.7202-02	.5904-02	.7351-02	4.235	33.16	575.9
361	.95000	.00000	929.00	.1547	.1273	.1301	.5364-02	.4414-02	.4511-02	3.221	23.68	563.5
361	.95000	.50000+00	930.00	.1924	.1580	.1836	.6669-02	.5479-02	.6538-02	3.969	28.17	568.8
361	.95000	.10000+00	931.00	.1711	.1408	.1714	.5932-02	.4881-02	.5907-02	3.564	26.22	563.1
361	.95000	.20000	932.00	.1515	.1249	.1525	.5254-02	.4330-02	.5288-02	3.183	22.01	558.0
361	.95000	.30000	933.00	.1291	.1064	.1312	.4474-02	.3690-02	.4512-02	2.722	19.45	555.6
361	.95000	.50000	934.00	.9270-01	.7650-01	.9360-01	.3212-02	.2651-02	.3246-02	1.963	14.51	552.8
361	.95000	.70000	935.00	.1934	.1585	.1972	.6704-02	.5496-02	.6836-02	3.943	29.30	575.8
361	.95000	.80000	936.00	.2060	.1690	.2133	.7140-02	.5860-02	.7396-02	4.229	30.97	571.7
361	.95000	.90000	937.00	.1500	.1235	.1570	.5201-02	.4280-02	.5443-02	3.124	23.37	563.2

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L30)

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
342	8.000	3.827	19.97	.0000	180.0	859.6	.8800-01	1324.	95.90	3.945	3840.	.7700-04
343	8.000	3.762	19.96	.0000	180.0	857.8	8800-01	1337.	96.90	3.936	3859.	.7607-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
342	.7724-07	.4893-01	0.0175
343	.7802-07	.4897-01	.2096-01

TEST DATA

RUN NUMBER	2Y/B	X/C	I/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
343	.39000	.00000	845.00	.3740-01	.3100-01	.3170-01	.1831-02	.1518-02	.1550-02	1.187	13.15	555.2
343	.39000	.50000-01	846.00	.1026	.8440-01	.1008	.5024-02	.4131-02	.4938-02	3.107	33.90	585.3
343	.39000	.10000+00	847.00	.9150-01	.7550-01	.9040-01	.4473-02	.3695-02	.4427-02	2.824	23.85	573.1
343	.39000	.20000	848.00	.8250-01	.6820-01	.8230-01	.4041-02	.3341-02	.4032-02	2.581	18.35	565.0
343	.39000	.40000	850.00	.4010-01	.3440-01	.4130-01	.2040-02	.1687-02	.2051-02	1.303	9.265	564.9
343	.39000	.50000	851.00	.5170-01	.4270-01	.4030-01	.1962-02	.1622-02	.1987-02	1.252	9.193	565.8
343	.39000	.60000	852.00	.5470-01	.4520-01	.5230-01	.2531-02	.2091-02	.2562-02	1.610	11.82	567.3
343	.39000	.70000	853.00	.7110-01	.5970-01	.5540-01	.2677-02	.2212-02	.2714-02	1.701	12.08	568.3
343	.39000	.80000	854.00	.1659	.1534	.1945	.9153-02	.7513-02	.9524-02	5.605	39.99	591.2
343	.39000	.90000	856.00	.1394	.1147	.1451	.6824-02	.5617-02	.7153-02	4.248	29.96	581.2
343	.39000	.00000	857.00	.9740-01	.8040-01	.8220-01	.4771-02	.3938-02	.4023-02	3.017	25.50	571.2
343	.40000	.00000	858.00	.2035	.1697	.1736	.1022-01	.6303-02	.6502-02	5.953	58.03	620.8
343	.40000	.50000-01	859.00	.3439	.2794	.3304	.1684-01	.1368-01	.1618-01	9.762	67.43	623.9
343	.40000	.10000+00	860.00	.1900	.1558	.1876	.9304-02	.7628-02	.9187-02	5.662	39.67	595.1
343	.40000	.20000	861.00	.8850-01	.7320-01	.8940-01	.4350-02	.3586-02	.4379-02	2.731	19.96	575.7
343	.40000	.30000	862.00	.6360-01	.5250-01	.6440-01	.3117-02	.2572-02	.3155-02	1.967	13.94	572.3
343	.40000	.40000	863.00	.4940-01	.4050-01	.4930-01	.2405-02	.1997-02	.2437-02	1.525	11.57	569.8
343	.40000	.50000	864.00	.4140-01	.3420-01	.4130-01	.2027-02	.1675-02	.2047-02	1.293	8.638	565.4

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(RVIL30)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(UTO) BTU/ R FT2SEC	H(UTO) BTU/ R FT2SEC	H(UTAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
343	40000	70000	865.00	5630-01	4650-01	5700-01	2758-02	2278-02	2792-02	1.749	11.66	569.5
343	40000	75000	866.00	5040-01	4160-01	5120-01	2467-02	2038-02	2507-02	1.568	11.51	568.0
343	40000	85000	867.00	1524	1250	1573	7464-02	6122-02	7703-02	4.552	33.53	593.7
343	40000	90000	868.00	1302	1069	1363	6375-02	5232-02	6675-02	3.905	32.69	590.9
343	40000	95000	869.00	1242	1020	1308	6082-02	4995-02	6406-02	3.736	29.59	589.4
343	50000	00000	871.00	5229	4117	4227	2560-01	2016-01	2070-01	12.68	96.64	708.2
343	50000	50000-01	872.00	3070	2494	2568	1503-01	1221-01	1453-01	8.707	64.28	624.4
343	50000	10000+00	873.00	1739	1426	2568	8510-02	6961-02	8474-02	5.198	37.67	592.8
343	50000	20000	874.00	1543	1274	1563	7585-02	6236-02	7652-02	4.691	33.02	585.2
343	50000	30000	875.00	1394	1147	1409	6824-02	5616-02	6899-02	4.241	29.90	582.1
343	50000	40000	876.00	1229	1013	1244	6019-02	4958-02	6191-02	3.761	26.56	578.9
343	50000	60000	877.00	1197	9860-01	1212	5859-02	4826-02	5935-02	3.662	25.05	578.7
343	55000	90000	878.00	2837	2312	2881	1389-01	132-01	1411-01	8.175	61.69	615.1
343	60000	00000	879.00	4635	3635	3731	2270-01	1780-01	1828-01	11.03	86.92	717.5
343	60000	00000	880.00	4057	3185	3270	1986-01	1559-01	1601-01	9.703	82.90	715.2
343	60000	25000-01	881.00	4725	3773	4425	2314-01	1846-01	2167-01	12.26	88.35	674.0
343	60000	50000-01	882.00	2675	2163	2593	1310-01	1059-01	1269-01	7.394	68.33	639.1
343	60000	75000-01	883.00	2700	2196	2673	1322-01	1075-01	1309-01	7.706	55.09	620.8
343	60000	10000+00	884.00	2195	1796	2197	1075-01	8796-02	1076-01	6.460	45.08	602.9
343	60000	20000	885.00	1792	1470	1812	8774-02	7200-02	8871-02	5.369	37.68	591.7
343	60000	30000	886.00	1548	1273	1555	7578-02	6233-02	7661-02	4.697	31.09	583.7
343	60000	40000	887.00	3114	2539	3147	1525-01	1243-01	1541-01	8.997	60.51	613.7
343	60000	50000	888.00	3164	2584	3206	1549-01	1266-01	1570-01	9.235	62.30	607.6
343	60000	60000	889.00	2772	2269	2809	1357-01	1111-01	1376-01	8.180	55.36	590.9
343	60000	80000	891.00	5156	4143	5341	2525-01	2029-01	2615-01	13.80	96.96	657.0
343	60000	90000	892.00	4350	3996	5147	2424-01	1957-01	2520-01	13.58	94.44	643.4
343	60000	95000	893.00	4026	3265	4237	1971-01	1599-01	2075-01	11.32	81.91	629.6
343	60000	99000	894.00	3078	2510	3249	1507-01	1229-01	1591-01	8.909	65.02	612.6
343	62000	00000	895.00	3091	2468	2530	1514-01	1208-01	1239-01	8.011	64.40	614.4
343	70000	00000	896.00	1922	1548	1585	9409-02	7579-02	7753-02	5.210	64.81	649.9
343	70000	25000-01	897.00	2459	2014	2320	1209-01	9861-02	1135-01	7.150	64.16	612.3
343	70000	10000+00	898.00	2850	2337	2854	1400-01	1145-01	1398-01	8.375	56.55	605.6
343	70000	20000	899.00	3824	3116	2856	1873-01	1526-01	1829-01	11.02	65.85	615.0
343	70000	30000	900.00	3446	2813	3430	1687-01	1378-01	1709-01	10.03	60.12	609.0
343	70000	40000	901.00	3271	2670	3312	1601-01	1307-01	1822-01	9.524	58.70	608.9
343	70000	60000	902.00	2916	2386	2555	1428-01	1168-01	1447-01	8.599	53.19	601.5
343	70000	90000	903.00	3265	2659	2428	1599-01	1302-01	1679-01	9.371	64.93	617.7
343	75000	00000	904.00	2842	2309	2363	1392-01	1131-01	1157-01	8.065	61.67	624.1
343	75000	25000-01	905.00	3852	3099	3593	1886-01	1517-01	1759-01	10.38	78.30	653.1
343	75000	50000-01	906.00	2914	2384	2914	1427-01	1168-01	1395-01	8.595	62.03	601.2
343	75000	10000+00	907.00	2155	1771	2151	1055-01	8670-02	1053-01	6.497	44.24	584.1
343	75000	20000	908.00	2117	1739	2135	1037-01	8513-02	1045-01	6.368	43.34	589.4
343	75000	30000	909.00	2774	2274	2604	1358-01	1113-01	1373-01	8.255	51.21	595.8

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(RVIL30)

OH-49B (AEDC V41B-57A) OF31TER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	1/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ P FT2SEC	H(TAM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
343	.75000	.40000	910.00	.2885	.2359	.2917	.1412-01	.1155-01	.1428-01	8.482	53.97	603.1
343	.75000	.60000	911.00	.2939	.2407	.2979	.1439-01	.1179-01	.1459-01	8.701	57.15	599.1
343	.75000	.80000	912.00	.4568	.3677	.4729	.2237-01	.1801-01	.2315-01	12.35	96.64	651.6
343	.75000	.90000	913.00	.2377	.2753	.3541	.1653-01	.1348-01	.1734-01	9.755	68.83	613.6
343	.75000	.95000	914.00	.2565	.2095	.2704	.1257-01	.1026-01	.1324-01	7.469	54.60	609.3
343	.80000	.00000	915.00	.3576	.2859	.2930	.1751-01	.1400-01	.1435-01	9.333	81.43	670.6
343	.80000	.20000	916.00	.1354	.1118	.1266	.6632-02	.5474-02	.6689-02	4.194	28.81	571.2
343	.80000	.40000	917.00	.2155	.1766	.2177	.1055-01	.8948-02	.1056-01	6.406	44.84	596.7
343	.80000	.60000	918.00	.3508	.2851	.3680	.1718-01	.1396-01	.1832-01	9.973	70.06	623.0
343	.85000	.00000	919.00	.4205	.3440	.3526	.2108-01	.1684-01	.1727-01	11.21	83.77	671.9
343	.85000	.20000	920.00	.1347	.1111	.1256	.6595-02	.5439-02	.6638-02	4.149	29.37	574.5
343	.85000	.40000	921.00	.1051	.8670-01	.1063	.5145-02	.4247-02	.5189-02	3.255	23.84	571.0
343	.90000	.00000	922.00	.2548	.2070	.2119	.1248-01	.1014-01	.1037-01	7.232	55.31	624.0
343	.90000	.10000+00	923.00	.1959	.1611	.1961	.9592-02	.7890-02	.9604-02	5.949	43.31	583.4
343	.90000	.20000	924.00	.8000-02	.6200-02	.8100-02	.3937-03	.3053-03	.3961-03	1830	1.200	738.1
343	.90000	.30000	925.00	.1164	.9600-01	.1173	.5699-02	.4702-02	.5742-02	3.593	25.45	573.1
343	.90000	.50000	926.00	.9870-01	.8150-01	.9960-01	.4831-02	.3989-02	.4877-02	3.063	21.73	569.6
343	.90000	.80000	927.00	.3738	.3024	.3659	.1830-01	.1481-01	.1890-01	10.36	77.37	637.4
343	.90000	.90000	928.00	.2731	.2271	.2533	.1367-01	.1112-01	.1436-01	7.979	61.14	619.8
343	.95000	.00000	929.00	.1546	.1273	.1301	.7571-02	.6232-02	.6369-02	4.712	34.34	581.3
343	.95000	.10000+00	930.00	.1832	.1546	.1846	.9217-02	.7568-02	.9037-02	5.658	39.74	589.7
343	.95000	.20000	931.00	.1734	.1427	.1727	.8490-02	.6986-02	.8455-02	5.277	38.45	582.1
343	.95000	.30000	932.00	.1524	.1256	.1534	.7461-02	.6151-02	.7510-02	4.686	32.11	575.6
343	.95000	.40000	933.00	.1273	.1050	.1284	.6234-02	.5143-02	.6268-02	3.928	27.82	573.5
343	.95000	.50000	934.00	.5650-01	.7970-01	.9750-01	.4726-02	.3503-02	.4776-02	2.997	21.98	569.4
343	.95000	.60000	935.00	.3155	.2566	.3231	.1550-01	.1257-01	.1582-01	8.887	64.31	630.2
343	.95000	.80000	936.00	.3531	.2666	.3666	.1729-01	.1403-01	.1795-01	9.961	70.97	627.5
343	.95000	.90000	937.00	.2537	.2120	.2724	.1272-01	.1038-01	.1334-01	7.560	55.27	609.2

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1131)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 15.00 SPDCRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	TO DEG. R	Y DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
362	7.980	1.983	30.03	.0000	180.0	428.7	1297.	94.40	1.990	3799.	.3967-04
363	7.980	1.970	30.08	.0000	180.0	428.8	1302.	94.80	1.990	3808.	.3950-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
362	.7601-07	.3463-01	0.0175
363	.7634-07	.3466-01	.2901-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1GTO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
363	.30000	.00000	845.00	.3980-01	.3300-01	.3460-01	.1381-02	.1142-02	.1197-02	.8620	9.577	548.2
363	.30000	.50000-01	846.00	.1259	.1034	.1182	.4364-02	.3583-02	.4097-02	2.608	28.61	574.6
363	.30000	.10000+00	847.00	.1182	.9730-01	.1117	.4096-02	.3371-02	.3870-02	2.480	21.01	566.8
363	.30000	.20000	848.00	.1058	.8710-01	.1009	.3606-02	.3013-02	.3497-02	2.230	15.87	563.9
363	.30000	.40000	850.00	.5540-01	.4600-01	.5130-01	.1921-02	.1581-02	.1848-02	1.162	8.265	566.8
363	.30000	.50000	851.00	.4210-01	.3470-01	.4190-01	.1461-02	.1202-02	.1416-02	.8830	6.480	567.7
363	.30000	.60000	852.00	.4320-01	.3560-01	.4190-01	.1499-02	.1233-02	.1452-02	.9070	6.659	567.0
363	.30000	.70000	853.00	.4297-01	.3530-01	.4150-01	.1487-02	.1247-02	.1443-02	.9010	6.406	566.2
363	.30000	.80000	854.00	.4250-01	.3440-01	.4100-01	.1952-02	.1607-02	.1905-02	1.183	8.690	566.1
363	.30000	.90000	855.00	.1747	.1435	.1744	.6054-02	.4972-02	.6044-02	3.625	26.09	573.5
363	.30000	.00000	856.00	.1435	.1183	.1448	.4978-02	.4033-02	.5019-02	3.025	21.52	564.5
363	.30000	.00000	857.00	.1027	.8460-01	.8660-01	.3558-02	.2933-02	.3077-02	2.173	18.46	561.4
363	.40000	.00000	858.00	.1671	.1529	.1608	.6483-02	.5330-02	.5571-02	3.703	37.46	588.7
363	.40000	.50000-01	859.00	.3435	.2799	.3151	.1190-01	.9702-02	.1092-01	6.831	47.78	595.2
363	.40000	.10000+00	860.00	.1816	.1816	.2091	.7687-02	.6232-02	.7245-02	4.518	31.82	584.4
363	.40000	.20000	861.00	.1185	.9730-01	.1140	.4106-02	.3372-02	.3951-02	2.458	17.99	573.5
363	.40000	.30000	862.00	.9430-01	.7750-01	.9130-01	.3268-02	.2695-02	.3515-02	1.959	13.88	572.7
363	.40000	.40000	863.00	.7490-01	.6160-01	.7660-01	.2595-02	.2133-02	.2515-02	1.561	11.83	570.7
363	.40000	.50000	864.00	.9300-01	.6830-01	.8120-01	.2876-02	.2367-02	.2780-02	1.743	11.63	566.7

(RVIL31)

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AEDC VKF V41B-57A (OH-49B) COLLATION DECY
OH-49B (AEDC V41B-57A) ORBITER LOWER WING

PUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.5	H/HREF (17A)	H(19TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(1AM) BTU/ R F12SEC	ODOT BTU/ R F12SEC	OTWOT DEG. R /SEC	TW DEG. R
353	40000	7.200	86.00	.9700-01	.7980-01	.9400-01	.3363-02	.2765-02	.3258-02	2.024	13.49	570.4
353	40000	7.200	86.00	.8350-01	.5870-01	.8120-01	.2694-02	.2380-02	.2815-02	1.747	12.81	568.6
353	40000	8.500	87.00	.1404	.1964	.2376	.8332-02	.6807-02	.8235-02	4.844	35.74	590.8
353	40000	9.000	88.00	.1976	.1617	.1988	.6947-02	.5503-02	.6890-02	4.025	33.80	584.4
353	40000	9.500	89.00	.1774	.1535	.1799	.6149-02	.5043-02	.6234-02	3.631	29.08	578.4
353	50000	10.000	87.00	.5497	.4414	.4659	.1905-01	.1530-01	.1615-01	10.11	79.51	641.5
353	50000	10.500	87.00	.3464	.2820	.3195	.1201-01	.0773-02	.1107-01	6.846	51.09	602.0
353	50000	11.000	87.00	.2061	.1683	.1960	.4779-02	.3927-02	.4610-02	4.215	30.71	582.1
353	50000	11.500	87.00	.1379	.1133	.1330	.4332-02	.3397-02	.3995-02	2.867	20.31	572.3
353	50000	12.000	87.00	.1132	.0800-01	.1153	.2742-02	.2829-02	.3332-02	2.488	17.68	570.1
353	50000	12.500	87.00	.9530-01	.8160-01	.9710-01	.2637-02	.2169-02	.2556-02	2.070	14.68	570.1
353	50000	13.000	87.00	.7610-01	.6560-01	.7370-01	.1358-01	.1103-01	.1314-01	1.592	10.55	568.7
353	50000	13.500	87.00	.3913	.3181	.392	.2401-01	.1878-01	.1994-01	7.681	58.22	605.8
353	50000	14.000	87.00	.6927	.5418	.5753	.1591-01	.1272-01	.1344-01	11.23	88.98	704.6
353	50000	14.500	87.00	.4350	.3671	.4567	.1768-01	.1426-01	.1583-01	8.277	72.86	652.0
353	50000	15.000	87.00	.5076	.4114	.467	.9857-02	.8026-02	.9128-02	9.644	71.14	626.1
353	50000	15.500	87.00	.2847	.2315	.2634	.1066-01	.8213-02	.9501-02	5.603	52.67	604.3
353	50000	16.000	87.00	.2902	.2370	.2742	.7685-02	.6705-02	.7344-02	5.832	42.27	592.4
353	50000	16.500	87.00	.2217	.1819	.2119	.5049-02	.4150-02	.4682-02	3.036	21.52	571.0
353	50000	17.000	87.00	.1457	.1197	.1337	.4731-02	.3936-02	.4632-02	2.873	19.12	572.7
353	50000	17.500	87.00	.1362	.1136	.1337	.4301-02	.3535-02	.4154-02	2.583	17.73	571.3
353	50000	18.000	87.00	.1241	.1020	.1199	.716-02	.3054-02	.3599-02	1.941	13.35	568.5
353	50000	18.500	87.00	.1072	.8810-01	.1059	.3216-02	.2645-02	.3117-02	3.689	26.79	589.3
353	50000	19.000	87.00	.1020	.7630-01	.1059	.6339-02	.5173-02	.6255-02	2.885	27.82	583.7
353	50000	19.500	87.00	.1916	.1453	.1605	.6301-02	.5405-02	.6559-02	3.293	24.47	576.5
353	50000	20.000	87.00	.1936	.1550	.1692	.5328-02	.4536-02	.5575-02	2.636	19.66	569.0
353	50000	20.500	87.00	.1636	.1309	.1608	.4370-02	.3594-02	.4430-02	5.221	51.19	625.5
353	50000	21.000	87.00	.261	.1037	.1678	.1138-01	.9190-02	.9689-02	3.185	40.63	598.0
353	50000	21.500	87.00	.3284	.2652	.2795	.5547-02	.4522-02	.4757-02	4.662	42.41	584.7
353	50000	22.000	87.00	.1601	.1305	.1674	.7460-02	.6496-02	.7114-02	4.462	30.60	574.1
353	50000	22.500	87.00	.2390	.1874	.2061	.6211-02	.5111-02	.565-02	3.757	22.98	567.3
353	50000	23.000	87.00	.1782	.1475	.2053	.5016-02	.4129-02	.4858-02	3.041	18.61	568.3
353	50000	23.500	87.00	.1447	.1191	.1507	.4323-02	.3556-02	.4186-02	2.611	16.42	570.6
353	50000	24.000	87.00	.1247	.1026	.1208	.4347-02	.3567-02	.4265-02	2.611	16.40	570.6
353	50000	24.500	87.00	.1252	.1029	.1213	.5843-02	.4794-02	.5680-02	3.478	24.58	577.1
353	50000	25.000	87.00	.1686	.1383	.1677	.8373-02	.6847-02	.7197-02	4.892	38.08	578.0
353	50000	25.500	87.00	.2416	.1976	.2077	.1072-01	.8718-02	.933-02	6.088	47.01	604.1
353	50000	26.000	87.00	.3032	.2516	.2668	.3943-02	.3069-02	.4194-02	5.826	42.49	580.3
353	50000	26.500	87.00	.2640	.2328	.2653	.7890-02	.6477-02	.7525-02	4.711	32.29	575.1
353	50000	27.000	87.00	.2277	.1859	.2171	.5356-02	.4409-02	.5156-02	3.247	22.36	565.9
353	50000	27.500	87.00	.1545	.1272	.1491	.4559-02	.3758-02	.4409-02	2.785	17.58	561.3
353	50000	28.000	87.00	.1315	.1084	.1272						

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19T01 BTU/ R FT2SEC	H1101 BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
363	.75000	.40000	910.00	.1188	.9770-01	.1149	.4116-02	.3387-02	.3981-02	2.450	16.13	567.3
363	.75000	.60000	911.00	.1173	.9660-01	.1137	.4066-02	.3347-02	.3941-02	2.465	16.46	565.9
363	.75000	.80000	912.00	.1284	.1863	.1256	.7914-02	.6458-02	.7818-02	4.570	36.76	594.8
363	.75000	.90000	913.00	.1771	.1455	.1181	.6138-02	.5042-02	.6174-02	3.679	26.48	572.9
363	.75000	.95000	914.00	.1192	.9810-01	.1607	.4132-02	.3401-02	.4182-02	2.502	18.68	566.8
363	.80000	.00000	915.00	.3206	.2734	.1207	.1111-01	.8993-02	.9475-02	6.147	54.97	619.0
363	.80000	.20000	916.00	.2574	.2108	.2481	.8921-02	.7307-02	.8600-02	5.261	35.92	582.5
363	.87000	.40000	917.00	.1383	.1138	.1336	.4755-02	.3945-02	.4632-02	2.902	20.61	567.1
363	.80000	.90000	918.00	.2756	.2255	.2770	.9550-02	.7815-02	.9600-02	5.603	40.09	585.5
363	.85000	.00000	919.00	.2932	.3231	.3405	.1384-01	.1120-01	.1180-01	7.652	58.66	619.2
363	.85000	.20000	920.00	.2562	.2102	.2463	.8878-02	.7285-02	.8543-02	5.287	37.38	576.7
363	.85000	.40000	921.00	.3642	.2970	.3508	.1262-01	.1029-01	.1216-01	7.263	52.54	596.7
363	.90000	.00000	922.00	.2297	.1879	.1575	.7961-02	.6513-02	.6846-02	4.665	36.34	586.2
363	.90000	.10000+00	923.00	.2259	.1856	.2162	.7828-02	.6434-02	.7492-02	4.705	34.47	571.1
363	.90000	.20000	924.00	.1373-01	.1050-01	.1290-01	.4735-03	.3656-03	.4483-03	.2090	1.372	731.0
363	.90000	.30000	925.00	.2245	.1845	.2163	.7781-02	.6396-02	.7498-02	4.681	33.19	570.6
363	.90000	.50000	926.00	.3464	.2831	.3242	.1201-01	.9811-02	.156-01	6.989	49.08	590.1
363	.90000	.80000	927.00	.4697	.3813	.4630	.1628-01	.1321-01	.1605-01	9.138	69.09	610.9
363	.90000	.90000	928.00	.3774	.3073	.3602	.1353-01	.1065-01	.1318-01	7.472	57.79	600.9
363	.95000	.00000	929.00	.1304	.1076	.1129	.4515-02	.3731-02	.5842-02	2.787	20.58	555.3
363	.95000	.50000+01	930.00	.1797	.1480	.1686	.6229-02	.5130-02	.5842-02	3.787	26.94	564.4
363	.95000	.10000+00	931.00	.1815	.1494	.1729	.6291-02	.5179-02	.5991-02	3.818	28.05	565.4
363	.95000	.20000	932.00	.1853	.1531	.1791	.6445-02	.5308-02	.6206-02	3.919	27.01	564.1
363	.95000	.30000	933.00	.1785	.1470	.1723	.6187-02	.5095-02	.5971-02	3.759	26.73	564.7
363	.95000	.50000	934.00	.2083	.1712	.2014	.7218-02	.5932-02	.6979-02	4.335	31.75	571.7
363	.95000	.70000	935.00	.3611	.2942	.3518	.1251-01	.1020-01	.1219-01	7.172	52.69	599.1
363	.95000	.80000	936.00	.3712	.3030	.3686	.1287-01	.1050-01	.1277-01	7.439	53.88	594.1
363	.95000	.90000	937.00	.2971	.2432	.2589	.1030-01	.8430-02	.1036-01	6.060	44.87	583.6

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RYIL31)

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL REG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
356	7.990	2.966	30.05	.0000	180.0	673.8	.7000-01	1337.	97.10	3.109	3853.	.6011-04
357	7.990	2.953	30.08	.0000	180.0	673.3	.7000-01	1340.	97.30	3.107	3863.	.5992-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
356	.7819-07	.4352-01	0.01/5
357	.7838-07	.4352-01	.2358-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(ISTO) BTU/ R FT2SEC	H(ISO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
357	.30000	.00000	845.00	.4050-01	.3360-01	.3520-01	.1764-02	.1463-02	.1463-02	.1533-02	1.151	12.76	553.7
357	.30000	.50000-01	846.00	.1221	.1003	.1147	.5315-02	.4366-02	.4366-02	.4991-02	3.277	35.68	599.7
357	.30000	.10000+00	847.00	.1050	.8650-01	.5520-01	.4569-02	.3764-02	.3764-02	.4318-02	2.863	24.10	579.7
357	.30000	.20000	848.00	.1040	.8580-01	.5520-01	.4525-02	.3733-02	.3733-02	.4319-02	2.760	20.25	574.1
357	.30000	.40000	850.00	.5340-01	.4400-01	.5130-01	.2323-02	.1913-02	.1913-02	.2235-02	1.451	10.24	581.6
357	.30000	.50000	852.00	.4650-01	.3830-01	.4510-01	.2024-02	.1665-02	.1665-02	.1961-02	1.260	9.176	583.5
357	.30000	.60000	853.00	.5020-01	.4550-01	.5840-01	.2157-02	.1855-02	.2157-02	.2540-02	1.629	11.85	585.1
357	.30000	.70000	853.00	.8260-01	.6700-01	.6020-01	.3595-02	.2956-02	.2956-02	.3488-02	2.226	15.66	587.1
357	.30000	.80000	854.00	.1253	.1038	.1232	.5497-02	.4516-02	.4516-02	.5362-02	3.392	24.63	589.2
357	.30000	.90000	855.00	.2979	.2435	.2674	.1596-01	.1060-01	.1060-01	.1294-01	7.775	55.05	606.6
357	.30000	.00000	856.00	.2166	.1778	.2184	.3425-02	.2736-02	.2736-02	.3534-02	5.785	40.59	592.4
357	.30000	.00000	857.00	.1008	.8320-01	.8730-01	.4397-02	.3622-02	.3622-02	.5799-02	2.783	23.51	571.9
357	.30000	.00000	858.00	.1868	.1526	.1605	.8130-02	.6642-02	.6642-02	.6963-02	4.862	47.69	608.2
357	.30000	.00000-01	859.00	.3456	.2911	.3169	.1504-01	.1224-01	.1224-01	.1379-01	8.788	60.76	622.0
357	.30000	.10000+00	860.00	.2172	.1776	.2047	.9453-02	.7731-02	.7731-02	.9908-02	5.688	39.67	604.6
357	.30000	.20000	861.00	.1190	.9770-01	.1145	.5180-02	.4253-02	.4253-02	.4985-02	3.186	23.11	591.2
357	.30000	.30000	862.00	.9340-01	.7670-01	.9050-01	.4065-02	.3339-02	.3339-02	.3927-02	2.508	17.62	589.2
357	.30000	.40000	863.00	.7830-01	.6430-01	.7590-01	.3408-02	.2799-02	.2799-02	.3302-02	2.101	15.78	589.6
357	.30000	.50000	864.00	.9170-01	.7550-01	.8670-01	.3992-02	.3284-02	.3284-02	.3859-02	2.482	16.42	584.5

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL31)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF P=1.0	H/HREF (TAW)	H(OTO) BTU/ R FT2SEC	H(OTO) BTU/ R FT2SEC	H(OTO) BTU/ R FT2SEC	H(OTO) BTU/ R FT2SEC	H(OTO) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
357	40000	70000	865.00	.1264	.1038	.1224	.5500-02	.4517-02	.5327-02	.5327-02	.5327-02	3.386	22.34	590.6
357	40000	75000	866.00	.1152	.9470-01	.1121	.5015-02	.4122-02	.4877-02	.4877-02	.4877-02	3.102	22.53	587.8
357	40000	85000	867.00	.3116	.2537	.3079	.1356-01	.1104-01	.1340-01	.1340-01	.1340-01	7.963	57.93	619.1
357	40000	90000	868.00	.2681	.2187	.2698	.1167-01	.9517-02	.1174-01	.1174-01	.1174-01	6.921	57.30	613.1
357	40000	95000	869.00	.2597	.2121	.2633	.1130-01	.9231-02	.1146-01	.1146-01	.1146-01	6.756	53.01	608.5
357	50000	00000	871.00	.5448	.4345	.4594	.2371-01	.1891-01	.1999-01	.1999-01	.1999-01	12.52	96.70	678.5
357	50000	50000-01	872.00	.3491	.2831	.3215	.1520-01	.1232-01	.1399-01	.1399-01	.1399-01	8.731	64.23	631.7
357	50000	10000-00	873.00	.2055	.1681	.1953	.8942-02	.7314-02	.8500-02	.8500-02	.8500-02	5.384	38.80	604.2
357	50000	20000	874.00	.1380	.1133	.1332	.6008-02	.4932-02	.5795-02	.5795-02	.5795-02	3.692	25.91	589.0
357	50000	30000	875.00	.1171	.9620-01	.1132	.5097-02	.4188-02	.4928-02	.4928-02	.4928-02	3.146	22.11	589.0
357	50000	40000	876.00	.1016	.8350-01	.9840-01	.4422-02	.3634-02	.4280-02	.4280-02	.4280-02	2.732	19.20	588.4
357	50000	50000	877.00	.8570-01	.7040-01	.8310-01	.3732-02	.3066-02	.3616-02	.3616-02	.3616-02	2.303	15.68	589.1
357	50000	60000	878.00	.3867	.3135	.3746	.1683-01	.1364-01	.1630-01	.1630-01	.1630-01	9.662	72.30	632.2
357	55000	00000	879.00	.6522	.5028	.5356	.2838-01	.2188-01	.2331-01	.2331-01	.2331-01	12.81	99.16	755.1
357	60000	00000	880.00	.4716	.3738	.3957	.2052-01	.1767-01	.1968-01	.1968-01	.1968-01	10.52	90.77	693.8
357	60000	25000-01	881.00	.5066	.4060	.4522	.1266-01	.1029-01	.1195-01	.1195-01	.1195-01	7.358	86.26	665.7
357	60000	50000-01	882.00	.2869	.2320	.2648	.1249-01	.1010-01	.1152-01	.1152-01	.1152-01	7.072	65.33	639.9
357	60000	75000	883.00	.2910	.2364	.2745	.9324-02	.7619-02	.8902-02	.8902-02	.8902-02	5.585	52.48	607.2
357	60000	10000-00	884.00	.2142	.1751	.2045	.6590-02	.5407-02	.6370-02	.6370-02	.6370-02	4.038	28.32	593.5
357	60000	20000	885.00	.1514	.1242	.1464	.6283-02	.5154-02	.6073-02	.6073-02	.6073-02	3.844	25.31	594.5
357	60000	30000	886.00	.1444	.1184	.1395	.5569-02	.4368-02	.5377-02	.5377-02	.5377-02	3.407	23.13	594.5
357	60000	40000	887.00	.1280	.1050	.1235	.4995-02	.4103-02	.4835-02	.4835-02	.4835-02	3.077	20.94	590.2
357	60000	50000	888.00	.1148	.9430-01	.1112	.4259-02	.3502-02	.4128-02	.4128-02	.4128-02	2.639	17.98	586.8
357	60000	60000	889.00	.9790-01	.8050-01	.9480-01	.9162-02	.7465-02	.9054-02	.9054-02	.9054-02	5.404	38.72	616.4
357	60000	80000	891.00	.2105	.1715	.2080	.1000-01	.8167-02	.9937-02	.9937-02	.9937-02	5.963	42.15	610.1
357	60000	85000	892.00	.2299	.1877	.2283	.8994-02	.7360-02	.9071-02	.9071-02	.9071-02	5.430	39.83	602.5
357	60000	90000	893.00	.2067	.1691	.2084	.7689-02	.6311-02	.7795-02	.7795-02	.7795-02	4.717	34.77	592.8
357	60000	95000	894.00	.1767	.1450	.1791	.1445-01	.1162-01	.1226-01	.1226-01	.1226-01	7.939	64.56	655.3
357	65000	00000	895.00	.3319	.2670	.2817	.7122-02	.5792-02	.6936-02	.6936-02	.6936-02	4.160	52.45	622.1
357	70000	00000	896.00	.1636	.1331	.1401	.1016-01	.8299-02	.9136-02	.9136-02	.9136-02	6.061	54.45	609.9
357	70000	25000-01	897.00	.2335	.1907	.2099	.9260-02	.7573-02	.8822-02	.8822-02	.8822-02	5.573	37.65	604.5
357	70000	10000-00	898.00	.2128	.1740	.2027	.8181-02	.6709-02	.7680-02	.7680-02	.7680-02	4.999	30.15	595.2
357	70000	20000	899.00	.1880	.1542	.1811	.6124-02	.5277-02	.6220-02	.6220-02	.6220-02	3.962	23.97	589.5
357	70000	30000	900.00	.1476	.1213	.1429	.575-02	.4687-02	.5524-02	.5524-02	.5524-02	3.518	21.88	589.9
357	70000	40000	901.00	.1311	.1077	.1269	.6253-02	.5131-02	.6058-02	.6058-02	.6058-02	3.834	23.82	593.1
357	70000	50000	902.00	.1437	.1179	.1392	.2058-01	.1667-01	.2072-01	.2072-01	.2072-01	11.76	80.82	634.8
357	70000	60000	903.00	.4729	.3831	.4761	.1457-01	.1180-01	.1301-01	.1301-01	.1301-01	8.308	63.16	636.1
357	75000	00000	904.00	.2399	.1961	.2061	.1436-01	.1170-01	.1338-01	.1338-01	.1338-01	8.483	60.80	615.4
357	75000	25000-01	905.00	.3348	.2711	.2989	.7724-02	.6334-02	.7445-02	.7445-02	.7445-02	7.469	50.20	615.0
357	75000	50000-01	906.00	.3299	.2689	.3075	.5764-02	.4740-02	.5571-02	.5571-02	.5571-02	3.575	22.28	586.1
357	75000	10000-00	907.00	.2902	.2366	.2763								
357	75000	20000	908.00	.1775	.1455	.1711								
357	75000	30000	909.00	.1324	.1089	.1280								

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(11A) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
357	.75000	.40000	910.00	.1200	.9860-01	.1160	.5221-02	.4290-02	.5048-02	3.224	20.65	588.8
357	.75000	.60000	911.00	.1291	.1062	.252	.5620-02	.4620-02	.5447-02	3.481	23.00	587.0
357	.75000	.90000	912.00	.6222	.4986	.6110	.2708-01	.2170-01	.2672-01	14.64	113.8	665.5
357	.75000	.90000	913.00	.4554	.3704	.1582	.1982-01	.1612-01	.1994-01	11.57	81.32	622.3
357	.75000	.95000	914.00	.3454	.2815	.3499	.1503-01	.1225-01	.1523-01	8.870	64.62	616.3
357	.80000	.00000	915.00	.3398	.2740	.2829	.1479-01	.1192-01	.1257-01	8.243	72.63	648.8
357	.80000	.20000	916.00	.4394	.3567	.4229	.1912-01	.1552-01	.1840-01	11.04	73.71	628.9
357	.80000	.40000	917.00	.1811	.1484	.748	.7881-02	.6460-02	.7608-02	4.804	33.62	596.0
357	.80000	.60000	918.00	.4645	.3766	.4671	.2022-01	.1639-01	.2033-01	11.60	81.13	632.3
357	.85000	.00000	919.00	.4070	.3283	.3462	.1771-01	.1429-01	.1507-01	9.904	74.90	647.1
357	.85000	.20000	920.00	.4004	.3256	.3845	.1743-01	.1417-01	.1674-01	10.15	70.19	623.4
357	.85000	.40000	921.00	.4510	.3657	.1339	.1963-01	.1591-01	.1888-01	11.27	80.14	632.1
357	.90000	.00000	922.00	.2298	.1878	.975	.1000-01	.8175-02	.8594-02	6.003	46.31	506.0
357	.90000	.15000+00	923.00	.2403	.1974	.2307	.1046-01	.8590-02	.1001-01	6.447	46.79	589.8
357	.90000	.20000	924.00	.1400-01	.1090-01	.330-01	.6108-03	.4751-03	.5793-03	2.860	1.876	737.3
357	.90000	.30000	925.00	.3885	.3162	.3736	.1691-01	.1376-01	.1626-01	9.909	68.57	620.2
357	.90000	.50000	926.00	.4214	.3267	.3869	.1747-01	.1422-01	.1684-01	10.24	70.85	620.2
357	.90000	.60000	927.00	.5400	.4351	.5319	.2350-01	.1893-01	.2315-01	13.06	96.90	650.4
357	.90000	.90000	928.00	.4518	.3657	.4554	.1966-01	.1592-01	.1982-01	11.19	85.06	637.0
357	.95000	.00000	929.00	.1296	.1071	.1123	.5638-02	.4750-02	.4887-02	3.601	26.42	567.7
357	.95000	.50000-01	930.00	.1830	.1549	.764	.8184-02	.6741-02	.7675-02	5.124	36.17	580.1
357	.95000	.10000+00	931.00	.1880	.1548	.791	.8183-02	.6737-02	.7792-02	5.109	37.22	582.0
357	.95000	.20000	932.00	.2166	.1781	.2065	.9428-02	.7753-02	.9076-02	5.849	39.88	585.9
357	.95000	.30000	933.00	.2857	.2338	.2754	.1243-01	.1017-01	.1198-01	7.502	52.36	602.9
357	.95000	.50000	934.00	.3034	.2477	.2930	.1320-01	.1078-01	.1275-01	7.877	56.61	609.7
357	.95000	.70000	935.00	.4119	.3341	.4012	.1793-01	.1454-01	.1746-01	10.31	74.59	631.1
357	.95000	.80000	936.00	.4470	.3628	.4437	.1945-01	.1579-01	.1931-01	11.24	80.07	628.4
357	.95000	.90000	937.00	.3503	.2856	.3525	.1524-01	.1243-01	.1534-01	9.022	65.80	614.4

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 15.00 SPD8RK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
344	8.000	3.767	30.06	.0000	180.0	850.6	.8800-01	1339.	97.00	3.949	3861.	.7622-04
345	8.000	3.791	30.09	.0000	180.0	856.9	.8800-01	1330.	96.40	3.932	3848.	.7643-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
344	.7812-07	.4906-01		0.0175
345	.7757-07	.4889-01		.2090-01

TEST DATA

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(TAN) BTU/ R FT ² SEC	ODOT BTU/ FT ² SEC	DTWDT DEG. R /SEC	TW DEG. R
345	.30000	.00000	845.00	.3930-01	.3260-01	.3410-01	.1922-02	.1592-02	.1669-02	1.233	13.66	555.3
345	.30000	.50000-01	846.00	.1163	.9520-01	.1091	.5686-02	.4654-02	.5332-02	3.411	37.01	596.8
345	.30000	.10000+00	847.00	.1070	.8790-01	.1010	.5231-02	.4297-02	.4959-02	3.202	26.89	584.5
345	.30000	.20000	848.00	.1025	.8440-01	.3780-01	.5012-02	.4126-02	.4781-02	3.105	21.95	577.1
345	.30000	.40000	850.00	.1025	.4600-01	.5380-01	.2738-02	.2251-02	.2632-02	1.681	11.85	582.6
345	.30000	.50000	851.00	.5500-01	.4590-01	.5420-01	.2734-02	.2245-02	.2649-02	1.669	12.14	586.1
345	.30000	.60000	852.00	.5500-01	.7270-01	.4950-01	.4333-02	.3556-02	.4195-02	2.637	19.16	588.0
345	.30000	.70000	853.00	.1359	.1113	.1317	.6643-02	.5442-02	.6441-02	4.001	28.04	594.4
345	.30000	.80000	854.00	.1989	.1633	.1949	.9775-02	.7936-02	.9528-02	5.802	41.84	603.1
345	.30000	.90000	855.00	.3390	.2752	.3413	.1657-01	.1345-01	.1654-01	9.506	66.77	623.1
345	.30000	.95000	856.00	.2392	.1954	.3413	.1170-01	.9553-02	.1160-01	6.933	48.36	603.9
345	.35000	.00000	857.00	.9590-01	.7920-01	.8360-01	.4738-02	.3904-02	.4096-02	2.948	24.87	574.5
345	.40000	.00000	858.00	.1828	.1487	.1565	.8936-02	.7272-02	.7653-02	5.191	50.73	615.8
345	.40000	.50000-01	859.00	.3391	.2744	.3102	.1658-01	.1342-01	.1516-01	9.355	64.35	632.5
345	.40000	.10000+00	860.00	.2212	.1803	.2082	.1082-01	.8814-02	.1018-01	6.733	44.02	611.1
345	.40000	.20000	861.00	.1256	.1029	.1208	.6140-02	.5029-02	.5905-02	3.095	26.75	594.9
345	.40000	.30000	862.00	.9360-01	.8160-01	.9640-01	.4368-02	.3990-02	.4713-02	2.941	20.63	592.6
345	.40000	.40000	863.00	.8610-01	.7060-01	.3340-01	.4209-02	.3451-02	.4077-02	2.547	19.10	591.7
345	.40000	.50000	864.00	.1230	.1009	.1188	.6013-02	.4934-02	.5809-02	3.657	24.15	588.5

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

PUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	4/HREF (TAN)	H(9TO) BTU/R FT2SEC	M 31 BTU/R FT2SEC	H(TAN) BTU/R FT2SEC	QDOT BTU/R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
345	40000	70000	865.00	.1702	.1392	.1647	.8319-02	.6805-02	.8051-02	4.972	32.66	599.0
345	40000	75000	866.00	.1684	.1379	.1636	.8231-02	.6740-02	.8000-02	4.947	35.80	595.6
345	40000	63000	867.00	.4308	.3478	.4255	.2106-01	.1700-01	.2080-01	11.74	84.55	639.5
345	40000	90000	868.00	.3743	.3025	.3768	.1830-01	.1479-01	.1842-01	10.25	83.94	636.4
345	40000	95000	869.00	.3527	.2853	.3579	.1724-01	.1395-01	.1750-01	9.714	79.30	633.3
345	50000	00000	871.00	.5266	.4159	.407	.2575-01	.2033-01	.2155-01	12.87	98.54	697.0
345	50000	50000-01	872.00	.3568	.2876	.3277	.1744-01	.1406-01	.1602-01	9.646	70.55	643.6
345	50000	10000+00	873.00	.2163	.1763	.2054	.1057-01	.8619-02	.1004-01	6.194	44.49	610.9
345	50000	20000	874.00	.1427	.1168	.1375	.6975-02	.5711-02	.6723-02	4.188	29.33	596.2
345	50000	30000	875.00	.1218	.9380-01	.1177	.5956-02	.4881-02	.5755-02	3.597	25.22	592.8
345	50000	40000	876.00	.1097	.9000-01	.1062	.5365-02	.4398-02	.5191-02	3.244	22.76	592.4
345	50000	60000	877.00	.1053	.8630-01	.1019	.5146-02	.4218-02	.4984-02	3.110	21.13	592.1
345	50000	90000	878.00	.3982	.3208	.3853	.1947-01	.1569-01	.1884-01	10.73	79.79	645.5
345	50000	00000	879.00	.6068	.4599	.4917	.2967-01	.2248-01	.2404-01	12.35	94.51	780.5
345	50000	00000	880.00	.4425	.3466	.3679	.2164-01	.1695-01	.1799-01	10.39	88.73	716.4
345	50000	25000-01	881.00	.5039	.4041	.4323	.2493-01	.1975-01	.2212-01	12.65	90.56	689.1
345	50000	50000-01	882.00	.2923	.2343	.2698	.1429-01	.1188-01	.1314-01	7.683	70.34	659.0
345	50000	75000-01	883.00	.2431	.2431	.2835	.1473-01	.1188-01	.1396-01	8.198	57.97	640.7
345	50000	10000+00	884.00	.2292	.1865	.2186	.1121-01	.9116-02	.1059-01	6.495	45.02	617.1
345	50000	20000	885.00	.1574	.1287	.1520	.7694-02	.6293-02	.7232-02	4.595	32.12	599.5
345	50000	30000	886.00	.1536	.1256	.1484	.7509-02	.6140-02	.7253-02	4.476	29.38	600.6
345	50000	40000	887.00	.1455	.1198	.1414	.7165-02	.5859-02	.6912-02	4.276	28.95	599.8
345	50000	50000	888.00	.1387	.1135	.1342	.6780-02	.5551-02	.6562-02	4.074	27.64	595.8
345	50000	60000	889.00	.1302	.1067	.1275	.6367-02	.5218-02	.6166-02	3.848	26.15	592.3
345	50000	80000	891.00	.3943	.3175	.3894	.1928-01	.1553-01	.1904-01	10.60	74.85	646.8
345	50000	85000	892.00	.4529	.3549	.4496	.2214-01	.1784-01	.2198-01	12.21	84.86	645.1
345	50000	90000	893.00	.4236	.3423	.4275	.2071-01	.1673-01	.2090-01	11.58	83.52	637.5
345	50000	00000	894.00	.3621	.2938	.3674	.1770-01	.1437-01	.1786-01	10.13	73.52	624.5
345	50000	00000	895.00	.3140	.2507	.3050	.1535-01	.1226-01	.1296-01	8.031	65.08	670.4
345	50000	00000	896.00	.1595	.1291	.1330	.7799-02	.6310-02	.6650-02	4.396	55.12	633.1
345	50000	25000-01	897.00	.2303	.1870	.2054	.1126-01	.9144-02	.1009-01	6.466	57.74	622.4
345	50000	50000+00	898.00	.2205	.1796	.2099	.1078-01	.8780-02	.1026-01	6.281	42.23	614.2
345	50000	75000	899.00	.1840	.1504	.1771	.6995-02	.7351-02	.8657-02	5.350	32.16	601.9
345	50000	90000	900.00	.1563	.1280	.1512	.7643-02	.6259-02	.7394-02	4.595	27.71	595.5
345	50000	00000	901.00	.1556	.1274	.1505	.7606-02	.6227-02	.7359-02	4.565	26.31	595.5
345	50000	50000	902.00	.2571	.2095	.2488	.1257-01	.1024-01	.1216-01	7.367	45.37	598.5
345	50000	903.00	903.00	.5259	.4223	.5395	.2571-01	.2065-01	.2589-01	13.94	94.87	654.6
345	50000	00000	904.00	.2353	.1916	.2616	.1150-01	.9369-02	.9858-02	6.716	51.64	612.8
345	50000	25000-01	905.00	.2694	.2095	.3281	.1806-01	.1450-01	.1604-01	9.767	73.55	655.9
345	50000	50000	906.00	.4390	.3303	.3799	.2003-01	.1615-01	.1858-01	11.16	79.07	638.7
345	50000	75000	907.00	.3657	.2954	.3473	.1788-01	.1444-01	.1698-01	9.983	66.34	638.4
345	50000	908.00	908.00	.2052	.1675	.2175	.1003-01	.8187-02	.9658-02	5.923	39.98	596.2
345	50000	00000	909.00	.1381	.1132	.1354	.6753-02	.5536-02	.6523-02	4.087	25.41	591.5

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OH-498B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	1/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
345	75000	.40000	910.00	.1278	.1047	.1235	.6248-02	.5119-02	.6038-02	3.767	24.08	593.8
345	75000	.60000	911.00	.2652	.2166	.257	.1297-01	.1059-01	.1255-01	50.31	50.31	604.4
345	75000	.80000	912.00	.6185	.5378	.3690	.3318-01	.2630-01	.3271-01	129.6	129.6	688.7
345	75000	.90000	913.00	.4847	.3913	.4877	.2370-01	.1913-01	.2384-01	13.21	92.03	639.1
345	75000	.95000	914.00	.3682	.2980	.3730	.1800-01	.1457-01	.1824-01	10.16	73.44	632.3
345	80000	.00000	915.00	.3609	.2887	.3050	.1764-01	.1411-01	.1491-01	9.381	82.06	665.0
345	80000	.20000	916.00	.5113	.4115	.4912	.2500-01	.2012-01	.2401-01	13.70	90.62	648.5
345	80000	.40000	917.00	.2068	.1687	.1995	.1011-01	.8249-02	.9752-02	5.952	41.44	618.1
345	80000	.60000	918.00	.4979	.4003	.3008	.2434-01	.1957-01	.2448-01	13.28	91.98	651.4
345	85000	.00000	919.00	.4082	.3272	.3455	.1996-01	.1600-01	.1689-01	10.72	80.57	659.7
345	85000	.20000	920.00	.4601	.3711	.4411	.2249-01	.1814-01	.2156-01	12.47	85.79	642.3
345	85000	.40000	921.00	.4941	.3975	.4746	.2416-01	.1943-01	.2320-01	13.21	93.14	649.8
345	90000	.00000	922.00	.2274	.1853	.1949	.1112-01	.9058-02	.9531-02	6.498	49.98	612.3
345	90000	.20000	923.00	.2954	.2413	.2823	.1444-01	.1180-01	.1380-01	8.568	61.77	603.4
345	90000	.40000	924.00	.1810-01	.1400-01	.1710-01	.8839-03	.6864-03	.8380-03	4.080	2.677	734.7
345	90000	.60000	925.00	.4447	.3590	.4269	.2174-01	.1755-01	.2087-01	12.11	83.02	639.7
345	90000	.80000	926.00	.4324	.3495	.4152	.2114-01	.1709-01	.2035-01	11.85	81.40	636.0
345	90000	.90000	927.00	.5677	.4532	.5588	.2776-01	.2216-01	.2732-01	14.61	107.4	670.3
345	95000	.00000	928.00	.4785	.3638	.4825	.2340-01	.1875-01	.2359-01	12.60	94.81	658.0
345	95000	.20000	929.00	.1293	.1067	.1119	.6321-02	.5216-02	.5471-02	3.965	29.07	569.5
345	95000	.40000	930.00	.1897	.1559	.1778	.9277-02	.7621-02	.8591-02	5.676	39.97	584.8
345	95000	.60000	931.00	.2162	.1773	.2056	.1057-01	.8667-02	.1005-01	6.401	46.43	591.1
345	95000	.80000	932.00	.2396	.2443	.2879	.1465-01	.1194-01	.1408-01	8.594	57.90	610.1
345	95000	.90000	933.00	.3873	.3135	.3725	.1893-01	.1533-01	.1821-01	10.70	73.66	631.4
345	95000	.00000	934.00	.3301	.2678	.3184	.1614-01	.1309-01	.1557-01	9.224	65.80	625.1
345	95000	.20000	935.00	.4357	.3507	.4239	.2130-01	.1715-01	.2072-01	11.68	83.83	648.2
345	95000	.40000	936.00	.4844	.3693	.4807	.2368-01	.1906-01	.2350-01	13.00	91.69	648.0
345	95000	.60000	937.00	.3747	.3033	.3772	.1832-01	.1483-01	.1844-01	10.35	74.65	631.7

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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LOWER WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L32)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 15.00 SPDERK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
364	7.980	1.369	40.13	.0000	180.0	430.5	.4500-01	1305.	95.10	1.998	3813.	.3954-04
365	7.980	1.359	40.08	.0000	180.0	429.3	.4500-01	1308.	95.20	1.992	3816.	.3937-04

RUN NUMBER	M/J	HR/LF BTU/ R FT2SEC	ST FR R =
364	.7657-07	.3474-01	0.0175
365	.7668-07	.3470-01	.2907-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HPREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
365	.30000	.00000	845.00	.4250-01	.3520-01	.3820-01	.1476-02	.1222-02	.1325-02	.9300	10.34	547.7
365	.30000	.50000-01	846.00	.1404	.1152	.1263	.4871-02	.3998-02	.4382-02	2.918	31.95	578.4
365	.30000	.10000-00	847.00	.1256	.1033	.1137	.4359-02	.3584-02	.3945-02	2.638	22.29	572.3
365	.30000	.20000	848.00	.1240	.1021	.1133	.4302-02	.3542-02	.3930-02	2.622	18.62	568.0
365	.30000	.40000	850.00	.6890-01	.5660-01	.6340-01	.2391-02	.1953-02	.2199-02	1.435	10.14	577.4
365	.30000	.50000	851.00	.6310-01	.5180-01	.5850-01	.2190-02	.1797-02	.2029-02	1.310	9.555	579.5
365	.30000	.60000	852.00	.7330-01	.6010-01	.6790-01	.2544-02	.2086-02	.2355-02	1.518	11.07	580.8
365	.30000	.70000	853.00	.8500-01	.6370-01	.7890-01	.2949-02	.2416-02	.2734-02	1.757	12.39	581.9
365	.30000	.80000	854.00	.1141	.9350-01	.1063	.3958-02	.3243-02	.3689-02	2.350	17.11	583.9
365	.30000	.90000	855.00	.2301	.1884	.2195	.7986-02	.6538-02	.7617-02	4.718	33.73	586.7
365	.30000	.95000	856.00	.1798	.1477	.1735	.6241-02	.5127-02	.6020-02	3.756	26.57	575.6
365	.35000	.00000	857.00	.1032	.8510-01	.9240-01	.3581-02	.2953-02	.3207-02	2.202	18.70	562.5
365	.40000	.00000	858.00	.1689	.1384	.1507	.5863-02	.4805-02	.5231-02	3.483	34.58	583.5
365	.40000	.50000-01	859.00	.3357	.2740	.2957	.1165-01	.9508-02	.1026-01	6.762	47.33	597.1
365	.40000	.10000-00	860.00	.2352	.1924	.2121	.8162-02	.6677-02	.7362-02	4.600	33.72	589.4
365	.40000	.20000	861.00	.1463	.1204	.1351	.5098-02	.4180-02	.4690-02	3.036	22.12	581.9
365	.40000	.30000	862.00	.1220	.1000-00	.1129	.4234-02	.3471-02	.3919-02	2.521	17.77	582.1
365	.40000	.40000	863.00	.1049	.8590-01	.9710-01	.3639-02	.2982-02	.3369-02	2.161	16.28	583.6
365	.40000	.60000	864.00	.1074	.6810-01	.9920-01	.3728-02	.3058-02	.3443-02	2.225	14.75	580.6

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 25 AUG 76 AEDC VKF V41B-57A (OH-498) COLLATION CHECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(IGT) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
365	40000	70000	865.00	.1495	.1224	.1383	.5190-02	.4248-02	.4801-02	3.062	20.23	587.5
365	40000	75000	866.00	.1391	.1139	.1252	.4827-02	.3953-02	.4483-02	2.857	20.78	585.5
365	40000	80000	867.00	.2835	.2356	.2729	.1005-01	.8177-02	.9471-02	5.745	42.07	605.8
365	40000	85000	868.00	.2488	.2029	.2391	.8636-02	.7043-02	.8299-02	4.994	41.63	599.2
365	40000	90000	869.00	.2379	.1943	.2305	.8255-02	.6743-02	.8001-02	4.817	38.06	594.1
365	50000	95000	871.00	.4706	.3812	.4170	.1633-01	.1323-01	.1447-01	9.109	72.39	619.8
365	50000	100000	872.00	.3363	.2739	.2973	.1167-01	.9507-02	.1032-01	6.711	50.07	602.5
365	50000	105000	873.00	.2151	.1762	.1957	.7466-02	.6114-02	.6792-02	4.417	32.12	586.0
365	50000	110000	874.00	.1463	.1201	.1349	.5077-02	.4167-02	.4683-02	3.046	21.47	578.6
365	50000	115000	875.00	.1145	.9400-01	.1058	.3972-02	.3262-02	.3673-02	2.386	16.86	577.0
365	50000	120000	876.00	.1001	.8210-01	.9260-01	.3474-02	.2850-02	.3214-02	2.076	14.65	590.1
365	50000	125000	877.00	.9320-01	.7640-01	.8630-01	.3234-02	.2651-02	.2934-02	1.924	13.14	582.5
365	50000	130000	878.00	.3325	.2706	.3075	.1154-01	.9392-02	.1067-01	6.606	50.10	604.9
365	50000	135000	879.00	.6075	.4825	.5320	.2109-01	.1674-01	.1846-01	10.63	85.55	673.2
365	50000	140000	880.00	.5700	.4539	.4999	.1978-01	.1575-01	.1735-01	10.12	88.44	666.1
365	50000	145000	881.00	.6925	.5562	.5936	.2404-01	.1930-01	.2050-01	12.82	93.75	644.1
365	50000	150000	882.00	.3609	.3083	.3364	.1322-01	.1070-01	.1168-01	7.347	68.48	621.7
365	50000	155000	883.00	.3831	.3114	.3453	.1330-01	.1081-01	.1198-01	7.556	54.34	609.1
365	50000	160000	884.00	.2811	.2297	.2555	.9754-02	.7972-02	.8903-02	5.709	40.05	592.2
365	50000	165000	885.00	.1229	.1484	.1671	.6277-02	.5149-02	.5801-02	3.748	26.45	580.4
365	50000	170000	886.00	.1591	.1305	.1470	.5522-02	.4529-02	.5103-02	3.292	21.81	581.4
365	50000	175000	887.00	.1396	.1145	.1289	.4846-02	.3973-02	.4472-02	2.883	19.69	582.6
365	50000	180000	888.00	.1261	.1034	.1167	.4376-02	.3583-02	.4051-02	2.612	17.86	580.5
365	50000	185000	889.00	.1181	.9690-01	.1094	.4099-02	.3353-02	.3797-02	2.452	16.77	579.2
365	50000	190000	891.00	.2417	.1970	.2279	.8387-02	.6937-02	.7909-02	4.839	34.93	600.6
365	50000	195000	892.00	.2707	.2210	.2557	.9395-02	.7671-02	.8910-02	5.467	38.92	595.6
365	50000	200000	893.00	.2855	.2334	.2752	.9329-02	.8101-02	.9549-02	5.809	42.84	591.3
365	50000	205000	894.00	.2687	.2200	.2605	.9324-02	.7635-02	.9040-02	5.521	40.84	585.4
365	50000	210000	895.00	.3578	.2898	.3170	.1242-01	.1005-01	.1100-01	6.920	57.10	620.2
365	50000	215000	896.00	.1570	.1284	.1399	.5449-02	.4455-02	.4855-02	3.198	40.95	590.5
365	50000	220000	897.00	.2459	.2013	.2132	.8935-02	.7311-02	.8135-02	5.043	45.83	585.6
365	50000	225000	898.00	.2570	.2107	.2344	.8920-02	.7311-02	.8135-02	5.301	36.19	583.3
365	50000	230000	899.00	.2744	.1678	.1883	.7094-02	.5822-02	.6536-02	4.247	25.83	578.8
365	50000	235000	900.00	.1692	.1389	.1566	.5671-02	.4822-02	.5435-02	3.530	21.50	576.1
365	50000	240000	901.00	.1541	.1265	.1426	.5364-02	.4390-02	.4950-02	3.207	20.07	577.9
365	50000	245000	902.00	.1635	.1383	.1569	.5684-02	.4620-02	.5447-02	3.489	21.76	584.6
365	50000	250000	903.00	.2685	.1706	.2005	.7237-02	.5921-02	.6359-02	4.261	29.94	588.7
365	50000	255000	904.00	.2262	.1659	.2022	.7849-02	.6453-02	.7016-02	4.746	37.22	572.8
365	50000	260000	905.00	.3281	.2675	.2831	.1139-01	.9232-02	.9824-02	6.573	50.85	600.2
365	50000	265000	906.00	.3340	.2734	.2988	.1159-01	.9423-02	.1037-01	6.837	49.57	587.8
365	50000	270000	907.00	.2878	.2357	.2542	.9959-02	.8180-02	.9106-02	5.909	40.28	585.9
365	50000	275000	908.00	.1937	.1590	.1786	.6723-02	.5519-02	.6199-02	4.031	27.60	577.9
365	50000	280000	909.00	.1666	.1369	.1540	.5782-02	.4751-02	.5345-02	3.486	21.86	574.5

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AEDC VKF V418-57A (OH-49B) COLLATION DECK

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(RVIL32)

OH-49B (AEDC V418-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(3TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
365	.75000	.40000	910.00	.1438	.1180	.1329	.4953-02	.4095-02	.4612-02	2.990	19.26	578.2
365	.75000	.60000	911.00	.1563	.1283	.1448	.5425-02	.4453-02	.5026-02	3.251	21.58	578.2
365	.75000	.80000	912.00	.2672	.2175	.2518	.9274-02	.7548-02	.8738-02	5.208	42.48	505.2
365	.75000	.90000	913.00	.2185	.1790	.2101	.7583-02	.6213-02	.7291-02	4.500	32.21	584.1
365	.75000	.95000	914.00	.1579	.1296	.1529	.5479-02	.4456-02	.5305-02	2.281	24.35	578.7
365	.80000	.00000	915.00	.2661	.2170	.2367	.9235-02	.7531-02	.8216-02	5.341	48.24	599.1
365	.80000	.20000	916.00	.2093	.1719	.1931	.7262-02	.5564-02	.6700-02	4.366	29.91	576.3
365	.80000	.40000	917.00	.1521	.1248	.1404	.5277-02	.4330-02	.4872-02	3.154	22.27	579.8
365	.80000	.60000	918.00	.2907	.2375	.2791	.1009-01	.8242-02	.9687-02	5.892	41.99	593.5
365	.85000	.00000	919.00	.3024	.2469	.2692	.1049-01	.8570-02	.9344-02	6.115	47.44	594.8
365	.85000	.20000	920.00	.2078	.1705	.1912	.7211-02	.5918-02	.6637-02	4.320	30.31	578.5
365	.85000	.40000	921.00	.1688	.1364	.1556	.5858-02	.4803-02	.5401-02	3.490	25.43	581.7
365	.90000	.00000	922.00	.1686	.1386	.1507	.5850-02	.4812-02	.5231-02	3.545	27.82	571.6
365	.90000	.10000	923.00	.2279	.1873	.2068	.7509-02	.6499-02	.7245-02	4.771	34.90	574.2
365	.90000	.20000	924.00	.1377-01	.1060-01	.1220-01	.4744-03	.3675-03	.4242-03	.2130	1.402	728.0
365	.90000	.30000	925.00	.1995	.1637	.1838	.6923-02	.5682-02	.6379-02	4.147	29.29	578.5
365	.90000	.50000	926.00	.1765	.1448	.1629	.6126-02	.5024-02	.5655-02	3.655	25.79	580.9
365	.90000	.80000	927.00	.5277	.4277	.4956	.1831-01	.1484-01	.1720-01	10.25	77.27	617.7
365	.95000	.00000	928.00	.4042	.3291	.3688	.1403-01	.1142-01	.1349-01	8.034	62.02	604.8
365	.95000	.20000	929.00	.9310-01	.7700-01	.8350-01	.3230-02	.2673-02	.2899-02	2.030	15.04	549.0
365	.95000	.40000	930.00	.1445	.1193	.1302	.5015-02	.4139-02	.4517-02	3.101	22.12	559.2
365	.95000	.60000	931.00	.1693	.1395	.1545	.5877-02	.4841-02	.5352-02	3.591	26.37	566.5
365	.95000	.80000	932.00	.1950	.1604	.1797	.6768-02	.5566-02	.6235-02	4.098	28.13	572.0
365	.95000	.30000	933.00	.1928	.1583	.1779	.6691-02	.5493-02	.6173-02	4.016	28.38	577.3
365	.95000	.50000	934.00	.1596	.1310	.1475	.5539-02	.4545-02	.5120-02	3.316	24.20	578.8
365	.95000	.70000	935.00	.5330	.4480	.5132	.1919-01	.1555-01	.1781-01	10.72	77.97	619.1
365	.95000	.90000	936.00	.4682	.3812	.4435	.1625-01	.1323-01	.1539-01	9.309	67.08	604.6
365	.95000	.90000	937.00	.3276	.2681	.3150	.1137-01	.9303-02	.1093-01	6.695	49.45	588.6

AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
358	7.990	2.941	40.12	.0000	180.0	674.0	.7000-01	1345.	97.70	3.110	3869.	.5978-04
359	7.990	2.936	40.11	.0000	180.0	674.7	.7000-01	1348.	97.90	3.114	3873.	.5972-04

RUN NUMBER	MJ	LB-SEC /FT2	ST FR R =
358	.7864-07	.4357-01	0.0175
359	.7880-07	.4361-01	.2367-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT2SEC	H(TO) BTU/R FT2SEC	H(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TM DEG. R
359	.30000	.00000	845.00	.4220-01	.3500-01	.3790-01	.1838-02	.1521-02	.1652-02	1.204	13.32	557.9
359	.30000	.50000-01	846.00	.1363	.1117	.1225	.5942-02	.4871-02	.5341-02	3.643	39.47	599.7
359	.30000	.10000+00	847.00	.1252	.1029	.1133	.5460-02	.4489-02	.4941-02	3.398	28.45	590.5
359	.30000	.20000	848.00	.1222	.1006	.1116	.5327-02	.4386-02	.4867-02	3.345	23.55	585.0
359	.30000	.40000	850.00	.7310-01	.6000-01	.6220-01	.3158-02	.2615-02	.2930-02	1.960	13.72	597.9
359	.30000	.50000	851.00	.9500-01	.7860-01	.8880-01	.4185-02	.3428-02	.3873-02	2.552	18.40	603.1
359	.30000	.60000	852.00	.1436	.1224	.1384	.6526-02	.5338-02	.6034-02	3.951	28.43	607.4
359	.30000	.70000	853.00	.2137	.1744	.1977	.9318-02	.7605-02	.8621-02	5.573	38.67	614.7
359	.30000	.80000	854.00	.2690	.2190	.2500	.1173-01	.9549-02	.1090-01	6.921	49.43	622.8
359	.30000	.90000	855.00	.3345	.2723	.3186	.1459-01	.1187-01	.1369-01	8.602	60.41	623.2
359	.30000	.95000	856.00	.2605	.2129	.2310	.1136-01	.9285-02	.1095-01	6.844	47.59	610.5
359	.30000	.00000	857.00	.1050	.8670-01	.9410-01	.4580-02	.3779-02	.4103-02	2.911	24.53	577.3
359	.40000	.00000	858.00	.1702	.1393	.1518	.7423-02	.6074-02	.6618-02	4.504	44.22	606.0
359	.40000	.50000-01	859.00	.3302	.2655	.2902	.1440-01	.1171-01	.1255-01	8.465	59.44	624.9
359	.40000	.10000+00	860.00	.2379	.1942	.2143	.1038-01	.8467-02	.9345-02	6.202	43.03	615.0
359	.40000	.20000	861.00	.1534	.1255	.1409	.6688-02	.5472-02	.6146-02	4.056	29.20	606.3
359	.40000	.30000	862.00	.1483	.1213	.1371	.6469-02	.5290-02	.5980-02	3.912	27.23	601.1
359	.40000	.40000	863.00	.1573	.1286	.1455	.6861-02	.5688-02	.6345-02	4.138	30.76	609.8
359	.40000	.60000	864.00	.2366	.1934	.2182	.1032-01	.8432-02	.9515-02	6.217	40.61	610.3

(RVIL32)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2"/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAU)	H(9TO) BTU/R FT2SEC	H(10I) BTU/R FT2SEC	H(TAU) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
359	.40000	.70000	965.00	.3207	.2607	.2958	.1399-01	.1137-01	.1290-01	8.190	53.05	627.3
359	.40000	.75000	866.00	.2867	.2334	.2656	.1250-01	.1018-01	.1158-01	7.382	52.73	622.3
359	.40000	.85000	867.00	.4818	.3885	.4523	.2101-01	.1694-01	.1574-01	11.79	84.46	651.6
359	.40000	.90000	868.00	.4086	.3302	.3719	.1782-01	.1440-01	.1709-01	10.11	82.41	645.4
359	.40000	.95000	869.00	.3844	.3110	.3719	.1678-01	.1356-01	.1622-01	9.566	73.83	642.2
359	.50000	.00100	871.00	.4697	.3787	.4150	.2048-01	.1651-01	.1810-01	8.530	62.67	634.2
359	.50000	.50000-01	872.00	.3381	.2742	.2981	.1474-01	.1196-01	.1300-01	5.813	41.72	612.8
359	.50000	.10000+00	873.00	.2221	.1814	.2018	.9686-02	.7910-02	.8798-02	29.53	29.53	604.7
359	.50000	.20000	874.00	.1597	.1307	.1471	.6954-02	.5701-02	.6416-02	4.235	25.73	603.9
359	.50000	.30000	875.00	.1389	.1137	.1283	.6058-02	.4960-02	.5594-02	26.43	26.43	606.2
359	.50000	.40000	876.00	.1134	.1173	.1325	.6234-02	.5117-02	.5779-02	3.794	33.57	612.9
359	.50000	.60000	877.00	.1907	.1558	.1763	.8318-02	.6792-02	.7689-02	4.990	79.01	645.2
359	.50000	.90000	878.00	.4238	.3425	.3908	.1848-01	.1493-01	.1704-01	12.65	99.68	717.4
359	.55000	.00000	879.00	.5857	.4604	.5097	.2554-01	.2003-01	.2223-01	12.41	106.2	711.1
359	.60000	.00000	880.00	.5672	.4471	.4945	.3011-01	.2394-01	.2562-01	9.043	82.53	665.4
359	.60000	.25000-01	881.00	.3788	.3040	.3328	.1722-01	.1326-01	.1451-01	7.375	66.09	649.9
359	.60000	.75000-01	883.00	.29.4	.2359	.2653	.1271-01	.1033-01	.1157-01	5.064	35.23	609.5
359	.60000	.10000+00	884.00	.1925	.1574	.1776	.8395-02	.6862-02	.7746-02	30.26	30.26	610.9
359	.60000	.20000	885.00	.1677	.1444	.1630	.7315-02	.5976-02	.6740-02	4.402	29.64	611.1
359	.60000	.30000	887.00	.1677	.1370	.1546	.6880-02	.5624-02	.6359-02	4.154	28.00	609.1
359	.60000	.40000	889.00	.1578	.1290	.1458	.7021-02	.5741-02	.6494-02	4.246	28.63	608.1
359	.60000	.60000	891.00	.3540	.2949	.3426	.1587-01	.1266-01	.1454-01	9.134	64.77	637.4
359	.60000	.80000	892.00	.2695	.2160	.2486	.1698-01	.1378-01	.1608-01	9.850	68.85	628.6
359	.60000	.90000	893.00	.3808	.3094	.3655	.1660-01	.1349-01	.1598-01	8.701	70.26	621.0
359	.60000	.95000	894.00	.3441	.2833	.3333	.1500-01	.1222-01	.1453-01	8.880	64.55	621.0
359	.65000	.00000	895.00	.3531	.2848	.3121	.1540-01	.1242-01	.1351-01	8.651	70.32	651.0
359	.70000	.00000	896.00	.1610	.1314	.1433	.7020-02	.5728-02	.6248-02	4.196	53.09	615.0
359	.70000	.25000-01	897.00	.2494	.2035	.2157	.1088-01	.8875-02	.9406-02	6.495	59.19	615.7
359	.70000	.10000+00	898.00	.2580	.2110	.2355	.1130-01	.9199-02	.1027-01	6.680	44.76	621.4
359	.70000	.30000	899.00	.2261	.1847	.2078	.9858-02	.8053-02	.9063-02	5.927	35.47	611.5
359	.70000	.40000	900.00	.1919	.1483	.1631	.7932-02	.6472-02	.7332-02	4.818	28.92	605.4
359	.70000	.60000	901.00	.1792	.1393	.1573	.7432-02	.6073-02	.6860-02	3.501	27.78	605.4
359	.70000	.80000	902.00	.2035	.1660	.1880	.5875-02	.4339-02	.5200-02	5.293	32.51	616.3
359	.70000	.90000	903.00	.4311	.3490	.4136	.1680-01	.1322-01	.1603-01	10.77	73.86	639.7
359	.75000	.00000	904.00	.2378	.1948	.2121	.1033-01	.8495-02	.9251-02	6.338	49.01	601.5
359	.75000	.25000-01	905.00	.3307	.2503	.2843	.1442-01	.1170-01	.1240-01	8.355	63.61	633.4
359	.75000	.75000	906.00	.3321	.2701	.2960	.1448-01	.1178-01	.1291-01	8.503	60.64	625.7
359	.75000	.50000	907.00	.2914	.2359	.2647	.1271-01	.1033-01	.1154-01	7.442	49.72	627.3
359	.75000	.20000	908.00	.2140	.1746	.1969	.9331-02	.7616-02	.8581-02	5.583	37.53	614.5
359	.75000	.30000	909.00	.1795	.1470	.1657	.7829-02	.6409-02	.7225-02	4.762	29.41	604.6

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OH-498 (AEDC V418-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAN)	H19TO) BTU/ R F12SEC	H1TO) BTU/ R F12SEC	H1TAH) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTWOT DEG. R /SEC	TW DEG. R
359	.75000	.40000	910.00	.1620	.1325	.1496	.7066-02	.5780-02	.6522-02	4.279	27.17	607.3
359	.75000	.60000	911.00	.1818	.1486	.1681	.7928-02	.6464-02	.7331-02	4.762	31.25	609.6
359	.75000	.80000	912.00	.5724	.4593	.5368	.2496-01	.2003-01	.2341-01	106.3	106.3	665.2
359	.75000	.90000	913.00	.5068	.4106	.4860	.2210-01	.1791-01	.2119-01	12.72	88.73	637.3
359	.75000	.95000	914.00	.4040	.3276	.3903	.1762-01	.1428-01	.1702-01	10.18	73.46	635.2
359	.80000	.00000	915.00	.2727	.2212	.2479	.1189-01	.9647-02	.1055-01	6.890	61.19	633.4
359	.80000	.20000	916.00	.2128	.1736	.1957	.9278-02	.7568-02	.8534-02	37.16	37.16	616.4
359	.80000	.40000	917.00	.1687	.1378	.1554	.7357-02	.6009-02	.6778-02	4.417	30.68	612.4
359	.80000	.60000	918.00	.5393	.4347	.5162	.2332-01	.1896-01	.2251-01	13.17	91.23	652.6
359	.85000	.00000	919.00	.3146	.2557	.2794	.1372-01	.1115-01	.1218-01	8.026	61.26	627.8
359	.85000	.20000	920.00	.2217	.1807	.2034	.9669-02	.7879-02	.8870-02	5.734	39.68	619.8
359	.85000	.40000	921.00	.1867	.1521	.1716	.8140-02	.6635-02	.7485-02	4.835	34.60	618.8
359	.90000	.00000	922.00	.1753	.1439	.1566	.7645-02	.6275-02	.6829-02	4.722	36.62	595.2
359	.90000	.10000+00	923.00	.2409	.1968	.2200	.1050-01	.8591-02	.9535-02	6.316	45.35	611.6
359	.90000	.20000	924.00	.1320-01	.1490-01	.1720-01	.8355-03	.6489-03	.7479-03	3.920	2.556	744.0
359	.90000	.30000	925.00	.2124	.1729	.1950	.9261-02	.7541-02	.8502-02	5.473	37.85	621.8
359	.91000	.50000	926.00	.2000	.1630	.1841	.8719-02	.7107-02	.8027-02	5.180	35.88	618.7
359	.90000	.80000	927.00	.6095	.4893	.5706	.2658-01	.2134-01	.2488-01	14.59	107.5	664.0
359	.90000	.90000	928.00	.4853	.3912	.4657	.2116-01	.1706-01	.2031-01	11.85	89.34	653.0
359	.91000	.00000	929.00	.1009	.8350-01	.9060-01	.4400-02	.3642-02	.3950-02	2.851	20.95	564.9
359	.95000	.50000-01	930.00	.1000	.1314	.1435	.6957-02	.5728-02	.6257-02	4.373	30.80	584.3
359	.95000	.10000+00	931.00	.1800	.1476	.1638	.7848-02	.6437-02	.7144-02	4.077	34.90	597.7
359	.95000	.20000	932.00	.2022	.1653	.1858	.8817-02	.7203-02	.8103-02	5.327	35.92	608.6
359	.95000	.30000	933.00	.2118	.1726	.1947	.9234-02	.7528-02	.8452-02	5.490	38.02	618.4
359	.95000	.50000	934.00	.1785	.1452	.1645	.7782-02	.6343-02	.7172-02	4.620	33.06	619.1
359	.95000	.70000	935.00	.6077	.4878	.5619	.2650-01	.2127-01	.2450-01	14.53	103.5	664.3
359	.95000	.80000	936.00	.5403	.4759	.5107	.2356-01	.1901-01	.2225-01	13.25	93.39	650.4
359	.95000	.90000	937.00	.3998	.3245	.3837	.1743-01	.1415-01	.1673-01	10.13	73.25	631.8

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LOWER HING

OH-49B (AEDC V41B-57A) ORBITER LOWER HING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 15.00 SPDRBK = .0000
 BDFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	O PSIA	V FT/SEC	RHO SLUGS /FT3
346	8.000	3.769	40.11	.0000	180.0	859.1	.8800-01	1337.	96.90	3.942	3859.	.7620-04
347	8.000	3.740	40.13	.0000	180.0	860.0	.8800-01	1345.	97.50	3.946	3870.	.7583-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
346	.7801-07	.4900-01		0.0175
347	.7847-07	.4908-01		.2101-01

TEST DATA

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
347	.30000	.00000	845.00	.4380-01	.3630-01	.3940-01	.2149-02	.1783-02	.1932-02	1.407	15.58	555.9
347	.30000	.50000-01	846.00	.1335	.1092	.1199	.6554-02	.5361-02	.5634-02	3.963	42.81	605.8
347	.30000	.10000-00	847.00	.1204	.9880-01	.1088	.5909-02	.4849-02	.5341-02	3.637	30.38	595.1
347	.30000	.20000	848.00	.1215	.9990-01	.1109	.5962-02	.4933-02	.5443-02	3.712	26.10	587.9
347	.30000	.40000	850.00	.1420-01	.7710-01	.8650-01	.4622-02	.3785-02	.4245-02	2.813	19.64	602.0
347	.30000	.50000	851.00	.1539	.1256	.1423	.7555-02	.6167-02	.6981-02	4.514	32.39	613.0
347	.30000	.60000	852.00	.2521	.2053	.2327	.1237-01	.1008-01	.1142-01	7.295	52.14	621.0
347	.30000	.70000	853.00	.3161	.2564	.2917	.1551-01	.1258-01	.1432-01	8.959	61.61	633.0
347	.30000	.80000	854.00	.3481	.2816	.3228	.1708-01	.1392-01	.1584-01	9.726	68.84	641.3
347	.30000	.90000	855.00	.3596	.2916	.3421	.1765-01	.1431-01	.1679-01	10.18	71.15	633.6
347	.30000	.95000	856.00	.2649	.2315	.2735	.1394-01	.1136-01	.1342-01	8.257	57.20	618.2
347	.30000	.00000	857.00	.1052	.8670-01	.9420-01	.5162-02	.4256-02	.4823-02	3.264	27.49	578.3
347	.40000	.00000	858.00	.1737	.1419	.1547	.8527-02	.6934-02	.7554-02	5.112	50.07	611.0
347	.40000	.00000-01	859.00	.3413	.2767	.2993	.1675-01	.1358-01	.1489-01	9.652	66.34	634.3
347	.40000	.10000-00	860.00	.2564	.2086	.2306	.1258-01	.1024-01	.1132-01	7.394	51.10	622.9
347	.40000	.20000	861.00	.1774	.1448	.1629	.8709-02	.7109-02	.7994-02	5.204	37.34	613.0
347	.40000	.30000	862.00	.1959	.1527	.1808	.9613-02	.7835-02	.8875-02	5.701	39.51	617.5
347	.40000	.40000	863.00	.2348	.1910	.2167	.1152-01	.9375-02	.1003-01	6.771	50.03	622.8
347	.40000	.50000	864.00	.3629	.2951	.3339	.1781-01	.1448-01	.1639-01	10.43	67.64	624.9

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(STO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
347	40000	70000	865.00	.4210	.3398	.3871	.2066-01	.1658-01	.1900-01	11.64	74.71	647.0
347	40000	75000	866.00	.3739	.3027	.3457	.1835-01	.1486-01	.1696-01	10.50	74.43	638.3
347	40000	85000	867.00	.5193	.4163	.4871	.2549-01	.2043-01	.2391-01	13.85	98.49	667.0
347	40000	90000	868.00	.4425	.3555	.4238	.2172-01	.1745-01	.2080-01	11.93	96.54	661.1
347	40000	95000	869.00	.4150	.3339	.4011	.2037-01	.1639-01	.1969-01	11.27	86.40	657.1
347	50000	00000	871.00	.4611	.3699	.4063	.2263-01	.1815-01	.1994-01	12.35	96.05	664.7
347	50000	50000-01	872.00	.3567	.2882	.3137	.1751-01	.1414-01	.1540-01	9.698	72.34	645.2
347	50000	10000+00	873.00	.1976	.1976	.2201	.1191-01	.9700-02	.1080-01	7.039	50.35	619.4
347	50000	20000	874.00	.1902	.1554	.1751	.9337-02	.7628-02	.8593-02	5.607	38.99	610.0
347	50000	30000	875.00	.1847	.1509	.1704	.9065-02	.7404-02	.8351-02	5.434	37.77	611.1
347	50000	40000	876.00	.2105	.1717	.1942	.1033-01	.8425-02	.9533-02	6.144	42.61	615.8
347	50000	50000	877.00	.3015	.2449	.2780	.1480-01	.1202-01	.1365-01	8.605	57.44	629.0
347	50000	60000	878.00	.4670	.3747	.4293	.2292-01	.1839-01	.2107-01	12.51	92.19	664.5
347	50000	70000	879.00	.5583	.4348	.4832	.2740-01	.2134-01	.2371-01	12.98	101.4	736.7
347	60000	00000	880.00	.5509	.4300	.4774	.3307-01	.2603-01	.2793-01	16.44	109.7	731.9
347	60000	25000-01	881.00	.6738	.5303	.5691	.1931-01	.1538-01	.1688-01	10.17	92.02	683.8
347	60000	50000-01	882.00	.3234	.3134	.3440	.1571-01	.1250-01	.1402-01	10.76	75.30	684.8
347	60000	75000-01	883.00	.4017	.3223	.3595	.1543-01	.1250-01	.1402-01	8.851	60.76	637.0
347	60000	10000+00	884.00	.3145	.2547	.2857	.1073-01	.8755-02	.9894-02	6.387	44.30	615.5
347	60000	20000	885.00	.2187	.1784	.2016	.1019-01	.8305-02	.9390-02	6.039	39.30	617.9
347	60000	30000	886.00	.2076	.1632	.1913	.1022-01	.8327-02	.9406-02	6.047	40.57	618.8
347	60000	40000	887.00	.2082	.1637	.1917	.1088-01	.8359-02	.1004-01	6.455	43.34	617.2
347	60000	50000	888.00	.2217	.1807	.2047	.1188-01	.9687-02	.1097-01	7.054	47.37	616.8
347	60000	60000	889.00	.2421	.1974	.2236	.2378-01	.1913-01	.2233-01	13.17	92.52	656.7
347	60000	70000	891.00	.4645	.3898	.4549	.2559-01	.2070-01	.2427-01	14.33	53.22	652.8
347	60000	80000	892.00	.5235	.4218	.4845	.2391-01	.1930-01	.2298-01	13.44	96.43	648.4
347	60000	90000	893.00	.4873	.3932	.4682	.2053-01	.1652-01	.1986-01	11.76	84.78	637.7
347	65000	00000	894.00	.4182	.3387	.4047	.1697-01	.1363-01	.1495-01	9.318	75.37	661.4
347	65000	00000	895.00	.3457	.2777	.3049	.7876-02	.6414-02	.7002-02	4.647	58.64	620.5
347	70000	00000	896.00	.1605	.1307	.1427	.1232-01	.1002-01	.1063-01	7.207	34.26	625.5
347	70000	25000-01	897.00	.2510	.2041	.2165	.1340-01	.1038-01	.1216-01	7.769	51.81	631.0
347	70000	10000+00	898.00	.2731	.2217	.2479	.1189-01	.9580-02	.1091-01	7.037	36.77	610.7
347	70000	20000	899.00	.2020	.1972	.2223	.1024-01	.8363-02	.9456-02	6.141	36.01	612.2
347	70000	30000	900.00	.2085	.1704	.1927	.9780-02	.7965-02	.9031-02	5.851	36.01	626.4
347	70000	40000	901.00	.1933	.1627	.1840	.1256-01	.1021-01	.1159-01	7.338	44.84	626.4
347	70000	50000	902.00	.2081	.2081	.2361	.1256-01	.1021-01	.1159-01	7.338	44.84	626.4
347	70000	60000	903.00	.2568	.2081	.2361	.1256-01	.1021-01	.1159-01	14.56	98.81	660.1
347	70000	70000	904.00	.3368	.4330	.5161	.1256-01	.1021-01	.1159-01	14.56	98.81	660.1
347	75000	00000	905.00	.2420	.1980	.2157	.1256-01	.1021-01	.1159-01	9.188	55.47	605.3
347	75000	25000-01	906.00	.3303	.2668	.2830	.1256-01	.1021-01	.1159-01	9.166	55.47	605.3
347	75000	50000-01	907.00	.3394	.2748	.3016	.1256-01	.1021-01	.1159-01	9.530	57.55	629.4
347	75000	10000+00	908.00	.3103	.2512	.2812	.1256-01	.1021-01	.1159-01	8.709	57.86	638.7
347	75000	20000	909.00	.2321	.1889	.2132	.1256-01	.1021-01	.1159-01	6.702	44.89	622.1
347	75000	30000	909.00	.1999	.1633	.1843	.1256-01	.1021-01	.1159-01	5.893	36.30	609.9

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(RVIL32)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1GTO) BTU/ R F12SEC	H1TO) BTU/ R F12SEC	H1TAW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTWT DEG. R /SEC	TW DEG. R
347	.75000	.40000	910.00	.1869	.1525	.1723	.9172-02	.7485-02	.8456-02	5.475	34.65	613.7
347	.75000	.60000	911.00	.2332	.1901	.2154	.1144-01	.9328-02	.1057-01	6.782	44.14	618.0
347	.75000	.80000	912.00	.6383	.5083	.5971	.3132-01	.2495-01	.2931-01	16.48	127.0	684.5
347	.75000	.90000	913.00	.5522	.4451	.5290	.2710-01	.2185-01	.2596-01	15.15	105.0	651.4
347	.75000	.95000	914.00	.4319	.3484	.4169	.2120-01	.1710-01	.2046-01	11.89	85.26	649.5
347	.80000	.00000	915.00	.2717	.2196	.2105	.1334-01	.1078-01	.1180-01	7.553	66.74	644.2
347	.80000	.20000	916.00	.2336	.1898	.2145	.1146-01	.9317-02	.1053-01	6.891	44.70	627.0
347	.80000	.40000	917.00	.1954	.1592	.1798	.9592-02	.8826-02	.8826-02	5.658	39.15	620.7
347	.80000	.60000	918.00	.5772	.4625	.5518	.2833-01	.2270-01	.2708-01	15.37	105.6	668.2
347	.85000	.00000	919.00	.3111	.2521	.2758	.1327-01	.1237-01	.1333-01	8.765	66.64	636.4
347	.85000	.20000	920.00	.2404	.1952	.2201	.1180-01	.9579-02	.1080-01	5.854	47.22	629.5
347	.85000	.40000	921.00	.2143	.1741	.1968	.1052-01	.8546-02	.9657-02	6.131	43.68	627.6
347	.90000	.00000	922.00	.1776	.1457	.1586	.8715-02	.7149-02	.7782-02	5.350	41.47	596.7
347	.90000	.10000+00	923.00	.2575	.2098	.2349	.1264-01	.1029-01	.1153-01	7.469	53.43	619.5
347	.90000	.20000	924.00	.1730-01	.1350-01	.1550-01	.8482-03	.6618-03	.7608-03	4.050	2.657	733.1
347	.90000	.30000	925.00	.2385	.1936	.2167	.1171-01	.9500-02	.1073-01	6.779	46.65	631.5
347	.90000	.50000	926.00	.2331	.1894	.2143	.1144-01	.9293-02	.1032-01	6.658	45.89	628.6
347	.90000	.80000	927.00	.6426	.5122	.6001	.3154-01	.2514-01	.2945-01	16.67	121.8	682.0
347	.90000	.90000	928.00	.5194	.4159	.4977	.2549-01	.2041-01	.2443-01	13.77	103.0	670.5
347	.95000	.00000	929.00	.1052	.8720-01	.9450-01	.5163-02	.4277-02	.4637-02	3.354	24.69	560.9
347	.95000	.50000-01	930.00	.1718	.1414	.1545	.8433-02	.6942-02	.7582-02	5.280	37.19	584.4
347	.95000	.10000+00	931.00	.1885	.1544	.1714	.9250-02	.7576-02	.8414-02	5.633	40.65	601.6
347	.95000	.20000	932.00	.2176	.1775	.1997	.1368-01	.8711-02	.9801-02	6.354	42.69	615.6
347	.95000	.30000	933.00	.2329	.1892	.2138	.1143-01	.9286-02	.1049-01	6.657	45.89	628.2
347	.95000	.50000	934.00	.2115	.1716	.1945	.1038-01	.8423-02	.9546-02	6.015	42.79	630.9
347	.95000	.70000	935.00	.6417	.5116	.5917	.3149-01	.2511-01	.2904-01	16.67	117.7	681.3
347	.95000	.80000	936.00	.5842	.4682	.5507	.2867-01	.2253-01	.2703-01	15.57	108.8	667.4
347	.95000	.90000	937.00	.4411	.3561	.4229	.2165-01	.1748-01	.2075-01	12.20	87.57	647.0

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AEDC VKF V41B-57A (OH-438) COLLATION DECK

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LOWER WING

OH-438 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L33)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = .0000
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
366	7.980	1.971	30.05	.0000	180.0	428.7	.4500-01	1302.	94.80	1.990	3807.	.3951-04
367	7.980	1.989	30.07	.0000	180.0	429.5	.4500-01	1296.	94.30	1.993	3798.	.3578-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
366	.7631-07		.3465-01	0.0175
367	.7594-07		.3465-01	.2889-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NC	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1GTO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DT/DT DEG. R /SEC	TH DEG. R
367	.30000	.00000	845.00	.4740-01	.3920-01	.4110-01	.1644-02	.1360-02	.1426-02	1.020	11.35	545.8
367	.30000	.50000-01	846.00	.1267	.1040	.1190	.4392-02	.3605-02	.4123-02	2.608	28.64	572.3
367	.30000	.10000+00	847.00	.1176	.9670-01	.1111	.4074-02	.3351-02	.3849-02	2.444	20.71	566.2
367	.30000	.20000	848.00	.1036	.8530-01	.9880-01	.3590-02	.2955-02	.3425-02	2.163	15.39	563.6
367	.30000	.40000	850.00	.5490-01	.4510-01	.5280-01	.1903-02	.1564-02	.1829-02	1.138	8.077	568.2
367	.30000	.50000	851.00	.4120-01	.3390-01	.4000-01	.1429-02	.1174-02	.1385-02	.8530	6.259	568.9
367	.30000	.60000	852.00	.4180-01	.3430-01	.4050-01	.1448-02	.1190-02	.1402-02	.8650	6.341	568.9
367	.30000	.70000	853.00	.4290-01	.3520-01	.4160-01	.1485-02	.1221-02	.1441-02	.8890	6.316	567.4
367	.30000	.80000	854.00	.5910-01	.4660-01	.5770-01	.2048-02	.1684-02	.1999-02	1.228	9.019	566.5
367	.30000	.90000	855.00	.1841	.1511	.1838	.6378-02	.5236-02	.6368-02	3.788	27.28	572.2
367	.30000	.95000	856.00	.1484	.1222	.1496	.5143-02	.4234-02	.5186-02	3.104	22.10	562.5
367	.35000	.00000	857.00	.9870-01	.8130-01	.8530-01	.3421-02	.2818-02	.2957-02	2.072	17.61	560.3
367	.40000	.00000	858.00	.1867	.1526	.1604	.6470-02	.5289-02	.5560-02	3.754	37.22	585.9
367	.40000	.50000-01	859.00	.3427	.2793	.3145	.1188-01	.9680-02	.1090-01	6.781	47.50	595.1
367	.40000	.10000+00	860.00	.2206	.1805	.2079	.7643-02	.6255-02	.7204-02	4.462	31.46	582.2
367	.40000	.20000	861.00	.1240	.1018	.1194	.4299-02	.3528-02	.4136-02	2.551	18.68	572.5
367	.40000	.30000	862.00	.9440-01	.7750-01	.9140-01	.3272-02	.2686-02	.3169-02	1.942	13.76	572.6
367	.40000	.40000	863.00	.7290-01	.5990-01	.7070-01	.2528-02	.2076-02	.2450-02	1.504	11.40	571.0
367	.40000	.60000	864.00	.7520-01	.6180-01	.7260-01	.2604-02	.2141-02	.2517-02	1.559	10.40	567.3

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	OH-498 (AEDC V41B-57A) ORBITER				LOWER WING				H(TAM) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
				H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(9TO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAM) BTU/ R FT2SEC						
367	40000	70000	865.00	9720-01	7980-01	9410-01	3367-02	2756-02	3262-02	2.007	13.37	570.0			
367	40000	75000	866.00	8250-01	6780-01	8020-01	2858-02	2349-02	2780-02	4.710	12.54	567.9			
367	40000	85000	867.00	2382	1945	2354	8254-02	6740-02	6890-02	4.761	35.15	589.3			
367	40000	90000	868.00	1976	1617	1988	6846-02	5603-02	6890-02	4.000	33.63	591.8			
367	40000	95000	869.00	1812	1486	1837	6279-02	5149-02	6366-02	3.709	29.58	575.3			
367	50000	00000	871.00	5463	4397	4631	1893-01	1520-01	1605-01	10.00	78.81	637.7			
367	50000	50000-01	872.00	3463	2819	3195	1200-01	9770-02	1107-01	6.806	50.87	599.0			
367	50000	10000+00	873.00	2060	1688	1959	7140-02	5848-02	6790-02	4.188	30.55	579.6			
367	50000	20000	874.00	1411	1159	1362	4891-02	4018-02	4718-02	2.915	20.68	570.0			
367	50000	30000	875.00	1197	9840-01	1158	4148-02	3410-02	4011-02	2.481	17.62	568.0			
367	50000	40000	876.00	1012	8310-01	9800-01	3507-02	2881-02	3395-02	2.091	14.83	569.9			
367	50000	50000	877.00	7310-01	6010-01	7090-01	2534-02	2083-02	2456-02	1.516	10.42	568.0			
367	50000	60000	878.00	3904	3175	3784	1353-01	1100-01	1311-01	7.633	57.97	601.9			
367	50000	70000	879.00	7058	5523	5863	2446-01	1914-01	2032-01	11.40	90.59	699.8			
367	50000	80000	880.00	4599	3679	3887	1594-01	1275-01	1347-01	8.257	72.82	648.0			
367	50000	90000	881.00	5077	4100	4551	1759-01	1421-01	1577-01	9.564	70.68	622.4			
367	60000	25000-01	882.00	2845	2315	2632	9860-02	8021-02	9123-02	5.572	52.46	601.0			
367	60000	50000-01	883.00	2904	2371	2743	1006-01	8216-02	9506-02	5.802	42.12	589.5			
367	60000	75000-01	884.00	2181	1789	2085	7559-02	6201-02	7224-02	4.471	31.64	574.6			
367	60000	10000+00	885.00	1457	1198	1409	5050-02	4151-02	4883-02	3.022	21.46	567.7			
367	60000	20000	886.00	1388	1140	1342	4810-02	3952-02	4651-02	2.869	19.12	569.7			
367	60000	30000	887.00	1246	1023	1203	4316-02	3544-02	4168-02	2.568	17.64	571.0			
367	60000	40000	888.00	1083	8890-01	1049	3751-02	3082-02	3634-02	2.238	15.38	569.6			
367	60000	50000	889.00	9210-01	7570-01	8930-01	3152-02	2625-02	3094-02	1.913	13.17	566.7			
367	60000	60000	890.00	1839	1502	1817	6661-02	5453-02	6298-02	3.685	26.78	587.6			
367	60000	70000	891.00	1922	1573	1910	5491-02	4506-02	5537-02	3.253	24.21	573.5			
367	60000	80000	892.00	1584	1300	1598	4319-02	3553-02	4378-02	2.594	19.38	565.6			
367	60000	90000	893.00	1246	1025	1263	1168-01	9433-02	9945-02	6.347	52.30	622.8			
367	65000	00000	894.00	3371	2722	2870	5587-02	4552-02	4739-02	3.184	40.66	596.1			
367	70000	00000	895.00	1612	1314	1382	7776-02	6364-02	6999-02	4.541	41.36	582.1			
367	70000	25000-01	897.00	2244	1837	2020	7466-02	6132-02	7121-02	4.443	30.52	571.0			
367	70000	50000+00	898.00	2155	1769	2055	6133-02	5047-02	5912-02	3.693	22.63	563.9			
367	70000	75000	899.00	1770	1456	1706	5031-02	4142-02	4873-02	3.037	18.62	562.5			
367	70000	10000	900.00	1452	1195	1406	4410-02	3628-02	4271-02	2.650	16.39	569.7			
367	70000	20000	901.00	1273	1047	1232	4371-02	3591-02	4236-02	2.607	16.39	569.7			
367	70000	30000	902.00	1261	1036	1222	5794-02	4754-02	5831-02	3.432	24.36	573.7			
367	70000	40000	903.00	1672	1372	1683	7458-02	6113-02	6422-02	4.391	47.81	600.5			
367	70000	50000	904.00	2152	1764	1853	1033-01	8891-02	9783-02	6.181	42.28	576.6			
367	75000	00000-01	905.00	3154	2566	2823	9819-02	8050-02	9173-02	5.788	32.29	571.6			
367	75000	25000-01	906.00	2833	2323	2647	7911-02	6496-02	7546-02	4.703	22.26	561.7			
367	75000	50000-01	907.00	2283	1874	2177	5337-02	4395-02	5149-02	3.226	17.71	557.6			
367	75000	75000	908.00	1540	1268	1486	4603-02	3795-02	4452-02	2.801	17.71	557.6			
367	75000	30000	909.00	1328	1095	1285	4603-02	3795-02	4452-02	2.801	17.71	557.6			

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RVIL33)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(ISTO) BTU/ R FT2SEC	H(HTO) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
367	.75000	.40000	910.00	.1163	.9570-01	.1125	.4031-02	.3317-02	.3898-02	2.425	15.73	564.5
367	.75000	.60000	911.00	.1159	.9540-01	.1124	.4018-02	.3308-02	.3895-02	2.425	16.22	562.6
367	.75000	.80000	912.00	.2283	.1863	.2255	.7911-02	.6454-02	.7815-02	4.543	36.60	591.8
367	.75000	.90000	913.00	.1814	.1490	.1824	.6286-02	.5165-02	.6323-02	3.753	27.07	569.0
367	.75000	.95000	914.00	.1223	.1007	.1238	.4239-02	.3490-02	.4291-02	2.557	19.13	562.8
367	.80000	.00000	915.00	.3281	.2657	.2799	.1137-01	.9208-02	.9700-02	6.276	56.26	614.1
367	.80000	.20000	916.00	.2580	.2115	.2488	.8939-02	.7331-02	.8621-02	5.278	36.17	575.6
367	.80000	.40000	917.00	.1425	.1173	.1377	.4937-02	.4084-02	.4770-02	2.977	21.19	563.1
367	.80000	.60000	918.00	.2814	.2303	.2829	.9752-02	.7981-02	.9803-02	5.696	40.83	581.9
367	.85000	.00000	919.00	.3989	.3230	.3403	.1382-01	.1119-01	.1179-01	7.627	58.61	614.3
367	.85000	.20000	920.00	.2555	.2098	.2459	.8854-02	.7270-02	.8521-02	5.267	37.34	571.2
367	.85000	.40000	921.00	.3642	.2972	.3509	.1262-01	.1030-01	.1216-01	7.250	52.57	591.6
367	.90000	.00000	922.00	.2330	.1906	.2004	.8075-02	.6607-02	.6943-02	4.708	36.73	583.1
367	.90000	.10000	923.00	.2278	.1973	.2181	.7894-02	.6492-02	.7558-02	4.733	34.75	566.5
367	.90000	.20000	924.00	.1180-01	.9100-02	.1110-01	.4076-03	.3150-03	.3860-03	1.800	1.182	725.4
367	.90000	.30000	925.00	.2244	.1846	.2163	.7776-02	.6396-02	.7494-02	4.669	33.20	565.5
367	.90000	.50000	926.00	.3469	.2837	.3347	.1202-01	.9830-02	.1160-01	6.985	49.18	585.0
367	.90000	.80000	927.00	.4656	.3780	.4590	.1614-01	.1310-01	.1591-01	9.023	68.36	606.8
367	.90000	.90000	928.00	.3805	.3101	.3835	.1319-01	.1075-01	.1329-01	7.527	58.37	595.3
367	.95000	.00000	929.00	.1290	.1065	.1117	.4470-02	.3691-02	.3871-02	2.744	20.30	552.0
367	.95000	.50000-01	930.00	.1780	.1466	.1670	.6170-02	.5082-02	.5786-02	3.734	26.61	560.8
367	.95000	.10000+00	931.00	.1818	.1497	.1731	.6299-02	.5188-02	.6000-02	3.811	28.06	561.1
367	.95000	.20000	932.00	.1865	.1536	.1796	.6461-02	.5323-02	.6223-02	3.916	27.04	560.1
367	.95000	.30000	933.00	.1810	.1491	.1747	.6271-02	.5166-02	.6053-02	3.797	27.06	560.6
367	.95000	.50000	934.00	.2091	.1719	.2022	.7247-02	.5957-02	.7008-02	4.339	31.84	567.4
367	.95000	.70000	935.00	.3610	.2943	.3518	.1251-01	.1020-01	.1218-01	7.159	52.74	563.8
367	.95000	.80000	936.00	.3794	.3099	.3768	.1315-01	.1074-01	.1306-01	7.593	55.14	588.6
367	.95000	.90000	937.00	.2964	.2429	.2983	.1027-01	.8416-02	.1034-01	6.039	44.84	578.1

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L33)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 15.00 SPDBRK = .0000
BOFLAP = 15.00 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
352	7.990	2.942	30.10	.0000	180.0	672.9	.6900-01	1343.	97.60	3.105	3867.	.5976-04
353	7.990	2.949	30.07	.0000	180.0	672.5	.6900-01	1341.	97.40	3.103	3863.	.5984-04

RUN NUMBER	MU LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR P =
352	.7854-07	.4352-01	0.0175
353	.7840-07	.4350-01	.2365-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H1(9T) BTU/ R FT ² SEC	H1(TO) BTU/ R FT ² SEC	H1(TAM) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTMDT DEG. R /SEC	TM DEG. R
353	.30000	.00000	845.00	.4140-01	.3440-01	.3600-01	.1799-02	.1496-02	.1567-02	1.191	13.26	544.7
353	.30000	.50000-01	846.00	.1226	.1009	.1152	.5331-02	.4388-02	.5010-02	3.325	36.33	582.8
353	.30000	.10000-00	847.00	.1103	.5110-01	.1043	.4799-02	.3961-02	.4538-02	3.040	25.67	573.0
353	.30000	.20000	848.00	.1027	.8490-01	.9810-01	.4466-02	.3692-02	.4265-02	2.856	20.29	567.0
353	.30000	.40000	850.00	.5390-01	.4450-01	.5180-01	.2343-02	.1934-02	.2255-02	1.485	10.51	573.1
353	.30000	.50000	851.00	.4580-01	.3780-01	.4440-01	.1991-02	.1643-02	.1931-02	1.260	9.214	574.0
353	.30000	.60000	852.00	.5390-01	.4940-01	.5810-01	.2607-02	.2150-02	.2527-02	1.646	12.04	575.1
353	.30000	.70000	853.00	.8060-01	.6650-01	.7820-01	.3506-02	.2891-02	.3403-02	2.208	15.61	576.8
353	.30000	.80000	854.00	.1238	.1020	.1208	.5383-02	.4436-02	.5254-02	3.379	24.66	578.9
353	.30000	.90000	855.00	.2890	.2359	.2685	.1257-01	.1030-01	.1255-01	7.660	54.49	597.2
353	.30000	.95000	856.00	.2162	.1780	.2180	.9404-02	.7741-02	.9482-02	5.867	41.36	582.7
353	.35000	.70000	857.00	.9850-01	.8150-01	.8540-01	.4284-02	.3544-02	.3715-02	2.751	23.33	584.5
353	.40000	.70000	858.00	.1837	.1504	.1580	.7588-02	.6540-02	.6673-02	4.836	47.59	601.2
353	.40000	.50000-01	859.00	.3455	.2816	.3170	.1503-01	.1225-01	.1379-01	8.882	31.61	615.5
353	.40000	.10000-00	860.00	.2175	.1783	.2051	.9459-02	.7754-02	.8920-02	5.769	40.39	596.7
353	.40000	.20000	861.00	.1235	.1017	.1189	.5370-02	.4422-02	.5171-02	3.356	24.46	581.6
353	.40000	.30000	862.00	.9570-01	.7970-01	.9370-01	.4204-02	.3465-02	.4075-02	2.640	18.65	578.6
353	.40000	.40000	863.00	.7720-01	.6360-01	.7490-01	.3359-02	.2768-02	.3257-02	2.110	15.93	578.5
353	.40000	.50000	864.00	.9870-01	.8150-01	.9550-01	.4294-02	.3545-02	.4153-02	2.726	18.14	571.8

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

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(RVIL33)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H1(5TO) BTU/R F12SEC	H1(10) BTU/R F12SEC	H1(TAN) BTU/R F12SEC	QDOT BTU/ F12SEC	QDOT DEG. R /SEC	TW DEG. R
353	40000	70000	865.00	.1308	.1078	.1267	.5688-02	.5588-02	.5513-02	3.574	23.71	578.3
353	40000	75000	865.00	.1217	.1004	.1185	.5295-02	.4367-02	.5153-02	3.342	24.43	575.4
353	40000	85000	867.00	.3095	.2320	.3049	.1342-01	.1095-01	.1326-01	8.020	58.54	608.9
353	40000	90000	868.00	.2646	.2165	.2663	.1153-01	.9417-02	.1158-01	6.942	57.74	603.5
353	40000	95000	869.00	.2650	.2171	.2687	.1153-01	.9444-02	.1169-01	7.002	55.19	599.2
353	50000	00000	871.00	.5338	.4267	.4509	.2322-01	.1856-01	.1961-01	12.40	96.05	672.7
353	50000	50000-01	872.00	.7500	.2846	.3227	.1523-01	.1238-01	.1404-01	8.877	65.56	623.5
353	50200	10000+00	873.00	.2082	.1708	.1981	.9055-02	.7429-02	.8615-02	5.545	40.16	594.3
353	50000	20000	874.00	.1421	.1170	.1371	.6179-02	.5030-02	.5964-02	3.871	27.33	580.1
353	50000	30000	875.00	.1183	.9760-01	.1145	.5147-02	.4244-02	.4980-02	3.243	22.93	576.5
353	50000	40000	876.00	.1035	.8540-01	.1003	.4503-02	.3715-02	.4362-02	2.843	20.12	575.2
353	50000	50000	877.00	.8490-01	7000-01	.8230-01	.3633-02	.3047-02	.3582-02	2.333	15.99	575.1
353	50000	60000	878.00	.3705	.3015	.3532	.1612-01	.1312-01	.1582-01	9.441	71.05	620.8
353	55000	00000	879.00	.6424	.4954	.5285	.2794-01	.2153-01	.2293-01	12.74	98.81	750.8
353	60000	00000	880.00	.4629	.3680	.3933	.2013-01	.1601-01	.1693-01	10.46	90.58	686.9
353	60000	25000-01	881.00	.5052	.4068	.4325	.2202-01	.1789-01	.1968-01	12.08	87.71	658.1
353	60000	50000-01	882.00	.2383	.2338	.2664	.1254-01	.1017-01	.1159-01	7.219	66.99	530.8
353	60000	75000-01	883.00	.2920	.2380	.2757	.1270-01	.1035-01	.1199-01	7.510	53.83	615.3
353	60000	10000+00	884.00	.2148	.1761	.2052	.9343-02	.7660-02	.8927-02	5.701	39.92	596.4
353	60000	20000	885.00	.1522	.1253	.1472	.6619-02	.5451-02	.6402-02	4.141	29.21	580.9
353	60000	30000	886.00	.1455	.1198	.1407	.6329-02	.5211-02	.6122-02	3.956	26.21	581.5
353	60000	40000	887.00	.1310	.1079	.1266	.5038-02	.4632-02	.5505-02	3.566	24.37	580.7
353	60000	50000	888.00	.1166	.9610-01	.1130	.5070-02	.4182-02	.4915-02	3.198	21.91	575.8
353	60000	60000	889.00	.9320-01	.8170-01	.9500-01	.4306-02	.3555-02	.4176-02	2.732	18.75	572.1
353	60000	80000	891.00	.2088	.1707	.2064	.9081-02	.7427-02	.8975-02	5.467	39.40	604.5
353	60000	85000	892.00	.2269	.1859	.2254	.9868-02	.8085-02	.9804-02	6.000	42.65	598.5
353	60000	90000	893.00	.2039	.1674	.2056	.8870-02	.7283-02	.8944-02	5.459	40.27	591.1
353	65000	95000	894.00	.1678	.1382	.1700	.7297-02	.6010-02	.7356-02	4.565	33.84	581.0
353	65000	00000	895.00	.3351	.2734	.2891	.1458-01	.1176-01	.1240-01	8.165	66.52	646.4
353	70000	00000	896.00	.1539	.1297	.1353	.6909-02	.5640-02	.5931-02	4.114	52.15	611.1
353	70000	25000-01	897.00	.2267	.1857	.2041	.9320-02	.8078-02	.8979-02	5.991	54.11	599.0
353	70000	50000+00	898.00	.2114	.1735	.2016	.9193-02	.7545-02	.8767-02	5.644	38.35	592.7
353	70000	75000	899.00	.1821	.1439	.1756	.7921-02	.6521-02	.7635-02	4.945	30.02	582.3
353	70000	90000	900.00	.1480	.1221	.1434	.6440-02	.5311-02	.6239-02	4.062	24.74	575.8
353	70000	40000	901.00	.1324	.1092	.1283	.5759-02	.4750-02	.5580-02	3.634	22.77	575.6
353	70000	60000	902.00	.1406	.1159	.1364	.6117-02	.5041-02	.5931-02	3.841	24.03	578.7
353	70000	80000	903.00	.4775	.3879	.4807	.2077-01	.1687-01	.2091-01	12.05	83.18	626.2
353	75000	00000	904.00	.2508	.2054	.2158	.1091-01	.8932-02	.9366-02	6.608	51.11	600.8
353	75000	25000-01	905.00	.3307	.2696	.2958	.1458-01	.1168-01	.1287-01	6.348	63.77	626.2
353	75000	50000-01	906.00	.3238	.2648	.3023	.1409-01	.1152-01	.1315-01	2.476	61.07	604.8
353	75000	75000	907.00	.2794	.2285	.2662	.1215-01	.9941-02	.1158-01	7.327	49.52	603.6
353	75000	10000+00	908.00	.1776	.1462	.1714	.7727-02	.6361-02	.7454-02	4.823	32.94	582.4
353	75000	20000	909.00	.1324	.1093	.1281	.5759-02	.4754-02	.5571-02	3.653	22.93	572.3

(RVIL33)

AEDC VKF V418-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V418-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AH) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
353	.75000	.40000	910.00	.1198	.9880-01	.1159	.5210-02	.4298-02	.5042-02	3.292	21.24	574.8
353	.75000	.60000	911.00	.1265	.1044	.1227	.5504-02	.4543-02	.5338-02	3.488	23.21	572.8
353	.75000	.80000	912.00	.6196	.4979	.6115	.2635-01	.2166-01	.2650-01	14.79	115.4	657.8
353	.75000	.90000	913.00	.4533	.3698	.4561	.1972-01	.1608-01	.1984-01	11.70	82.54	613.4
353	.75000	.95000	914.00	.3375	.2758	.3417	.1468-01	.1200-01	.1486-01	8.808	64.48	606.5
353	.80000	.00000	915.00	.3341	.2702	.2848	.1453-01	.1175-01	.1239-01	8.243	73.00	639.4
353	.80000	.20000	916.00	.4480	.3649	.4315	.1949-01	.1587-01	.1877-01	11.46	76.91	618.4
353	.80000	.40000	917.00	.1745	.1436	.1586	.7592-02	.6248-02	.7335-02	4.731	33.33	583.5
353	.80000	.60000	918.00	.4608	.3747	.4633	.2004-01	.1630-01	.2015-01	11.68	82.03	623.7
353	.85000	.00000	919.00	.3958	.3211	.3384	.1726-01	.1397-01	.1472-01	9.822	74.62	637.5
353	.85000	.20000	920.00	.3998	.3261	.3842	.1739-01	.1419-01	.1671-01	10.33	71.74	612.6
353	.85000	.40000	921.00	.4579	.3726	.4409	.1992-01	.1621-01	.1918-01	11.65	83.29	621.4
353	.90000	.00000	922.00	.2248	.1844	.1937	.9776-02	.8020-02	.8424-02	5.984	46.43	594.5
353	.90000	.20000	923.00	.2463	.2031	.2360	.1071-01	.8832-02	.1026-01	6.740	49.22	577.5
353	.90000	.40000	924.00	.1460-01	.1140-01	.1390-01	.6351-03	.4955-03	.6031-03	3.050	2.007	726.2
353	.90000	.60000	925.00	.3826	.3124	.3682	.1664-01	.1359-01	.1602-01	9.935	69.11	609.5
353	.90000	.80000	926.00	.3968	.3240	.3828	.1726-01	.1409-01	.1665-01	10.30	71.67	609.6
353	.90000	.90000	927.00	.5352	.4325	.5273	.2328-01	.1881-01	.2294-01	13.14	97.85	642.2
353	.95000	.00000	928.00	.4453	.3615	.4488	.1937-01	.1572-01	.1952-01	11.19	85.40	628.7
353	.95000	.20000	929.00	.1292	.1071	.1122	.5818-02	.4650-02	.4882-02	3.664	27.07	554.4
353	.95000	.40000	930.00	.1808	.1495	.1658	.7855-02	.6501-02	.7386-02	5.025	35.69	587.7
353	.95000	.60000	931.00	.1856	.1534	.1769	.8074-02	.6670-02	.7696-02	5.143	37.71	569.6
353	.95000	.80000	932.00	.2319	.1913	.2234	.1009-01	.8322-02	.9717-02	6.382	43.77	573.8
353	.95000	.90000	933.00	.2821	.2317	.2722	.1227-01	.1008-01	.1184-01	7.550	52.99	591.4
353	.95000	.00000	934.00	.3011	.2467	.2910	.1310-01	.1073-01	.1266-01	7.957	57.49	599.0
353	.95000	.20000	935.00	.4124	.3355	.4018	.1754-01	.1459-01	.1748-01	10.49	76.24	621.7
353	.95000	.40000	936.00	.4459	.3630	.4427	.1940-01	.1579-01	.1926-01	11.39	81.46	619.5
353	.95000	.60000	937.00	.3468	.2836	.3490	.1508-01	.1233-01	.1518-01	9.072	66.46	605.2

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = .0000
BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
348	8.000	3.765	30.10	.0000	180.0	859.0	.8800-01	1338.	97.00	3.942	3860.	.7614-04
349	8.000	3.775	30.08	.0000	180.0	857.1	.8800-01	1334.	96.60	3.933	3853.	.7622-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
348	.7806-07	.4900-01	0.0175
349	.7780-07	.4892-01	.2095-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(14N) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TA DEG. R
349	.30000	.00000	845.00	.4010-01	.3320-01	.3480-01	.1964-02	.1626-02	.1704-02	1.261	13.94	558.2
349	.30000	.50000-01	846.00	.1169	.9570-01	.1097	.5721-02	.4680-02	.5365-02	3.431	37.16	500.5
349	.30000	.10000+00	847.00	.1049	.8610-01	.9900-01	.5131-02	.4212-02	.4844-02	3.113	26.28	588.9
349	.30000	.20000	848.00	.1029	.8460-01	.9810-01	.5033-02	.4141-02	.4801-02	3.113	21.95	581.7
349	.30000	.40000	850.00	.5500-01	.4820-01	.5230-01	.2692-02	.2210-02	.2588-02	1.648	11.59	587.9
349	.30000	.50000	851.00	.5400-01	.4430-01	.5230-01	.2641-02	.2166-02	.2559-02	1.608	11.66	591.3
349	.30000	.60000	852.00	.8530-01	.7330-01	.8620-01	.4355-02	.3570-02	.4216-02	4.004	19.14	593.5
349	.30000	.70000	853.00	.1363	.1115	.1321	.6666-02	.5455-02	.6462-02	5.844	27.99	599.6
349	.30000	.80000	854.00	.2017	.1646	.1966	.9366-02	.8053-02	.9617-02	4.004	42.04	607.9
349	.30000	.90000	855.00	.3381	.2743	.3375	.1654-01	.1342-01	.1651-01	9.486	66.51	626.7
349	.30000	.95000	856.00	.2417	.1973	.2438	.1183-01	.0653-02	.1193-01	7.006	48.78	607.8
349	.35000	.00000	857.00	.9690-01	.7970-01	.8370-01	.4736-02	.3901-02	.4094-02	2.943	24.77	579.2
349	.40000	.00000	858.00	.1840	.1496	.1574	.8999-02	.7316-02	.7761-02	5.217	50.86	620.5
349	.40000	.50000-01	859.00	.3430	.2773	.3136	.1678-01	.1357-01	.1534-01	9.453	64.89	636.8
349	.43000	.10000+00	860.00	.2203	.1794	.2073	.1078-01	.0775-02	.1014-01	6.300	43.69	615.7
349	.40000	.20000	861.00	.1231	.1007	.1184	.6021-02	.4928-02	.5791-02	3.617	26.13	599.5
349	.40000	.30000	862.00	.9750-01	.7990-01	.9440-01	.4771-02	.3907-02	.4618-02	2.877	20.13	597.2
349	.40000	.40000	863.00	.8450-01	.6320-01	.8190-01	.4135-02	.3387-02	.4005-02	2.497	18.68	596.4
349	.40000	.60000	864.00	.1169	.9580-01	.1129	.5717-02	.4688-02	.5523-02	3.471	22.87	593.1

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AEDC VXF V41B-57A (OH-498) COLLATION DECK

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(RVIL33)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	27/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(GTO) BTU/ R FT/SEC	H(GTO) BTU/ R FT/SEC	H(TAO) BTU/ R FT/SEC	H(TAM) BTU/ R FT/SEC	QDOT BTU/ FT/SEC	DTWOT DEG. R /SEC	TH DEG. R
349	.40000	.70000	865.00	.1669	.1364	.1515	.8163-02	.8163-02	.6674-02	.7900-02	4.879	31.99	602.6
349	.40000	.75000	866.00	.1619	.1325	.1574	.7922-02	.7922-02	.6484-02	.7700-02	4.763	34.41	599.0
349	.40000	.80000	867.00	.4322	.3487	.4268	.2114-01	.2114-01	.1706-01	.2088-01	4.669	34.69	643.2
349	.40000	.85000	868.00	.3741	.3022	.3766	.1830-01	.1830-01	.1478-01	.1843-01	83.82	83.82	639.8
349	.40000	.90000	869.00	.3561	.2880	.3515	.1742-01	.1742-01	.1409-01	.1768-01	75.92	75.92	637.0
349	.50000	.00000	871.00	.5294	.4178	.4427	.2590-01	.2590-01	.2044-01	.2166-01	98.81	98.81	701.1
349	.50000	.05000	872.00	.3596	.2897	.3303	.1759-01	.1759-01	.1417-01	.1616-01	70.91	70.91	648.0
349	.50000	.10000	873.00	.2150	.1751	.2042	.1052-01	.1052-01	.8566-02	.9988-02	6.152	44.10	615.3
349	.50000	.15000	874.00	.1432	.1171	.1380	.7005-02	.7005-02	.5731-02	.6752-02	4.201	29.36	600.5
349	.50000	.20000	875.00	.1193	.9770-01	.1153	.5836-02	.5836-02	.4779-02	.5639-02	3.519	24.62	597.3
349	.50000	.25000	876.00	.1062	.8700-01	.1027	.5195-02	.5195-02	.4255-02	.5026-02	3.138	21.97	596.1
349	.50000	.30000	877.00	.1008	.8260-01	.9770-01	.4934-02	.4934-02	.4042-02	.4778-02	2.983	20.24	595.6
349	.50000	.35000	878.00	.4035	.3250	.3905	.1974-01	.1974-01	.1590-01	.1910-01	80.97	80.97	648.0
349	.55000	.00000	879.00	.6110	.4627	.4948	.2989-01	.2989-01	.2264-01	.2420-01	12.43	95.01	784.2
349	.60000	.00000	880.00	.4424	.3462	.3675	.2161-01	.2161-01	.1694-01	.1798-01	10.39	88.52	720.3
349	.60000	.05000	881.00	.5067	.4012	.4493	.1423-01	.1423-01	.1963-01	.2198-01	12.57	89.82	693.0
349	.60000	.10000	882.00	.2910	.2331	.2675	.1423-01	.1423-01	.1140-01	.1309-01	7.652	69.93	662.6
349	.60000	.15000	883.00	.2968	.2394	.2793	.1452-01	.1452-01	.1171-01	.1367-01	8.075	57.08	644.1
349	.60000	.20000	884.00	.2284	.1857	.2178	.1118-01	.1118-01	.1064-02	.1066-01	6.472	44.76	621.1
349	.60000	.25000	885.00	.1560	.1275	.1507	.7633-02	.7633-02	.6239-02	.7373-02	31.79	603.3	603.3
349	.60000	.30000	886.00	.1530	.1250	.1477	.7484-02	.7484-02	.6114-02	.7228-02	29.19	604.7	604.7
349	.60000	.35000	887.00	.1419	.1159	.1369	.6941-02	.6941-02	.5672-02	.6697-02	4.457	27.94	604.3
349	.60000	.40000	888.00	.1381	.1130	.1336	.6755-02	.6755-02	.5528-02	.6538-02	4.061	27.51	599.0
349	.60000	.45000	889.00	.1283	.1051	.1242	.6275-02	.6275-02	.5142-02	.6078-02	3.795	25.75	595.4
349	.60000	.50000	890.00	.4058	.3274	.4017	.1990-01	.1990-01	.1602-01	.1965-01	10.95	77.14	650.3
349	.60000	.55000	891.00	.4528	.3647	.4496	.2215-01	.2215-01	.1784-01	.2200-01	12.22	84.76	648.7
349	.60000	.60000	892.00	.4250	.3431	.4289	.2079-01	.2079-01	.1679-01	.2098-01	11.62	83.65	641.3
349	.60000	.65000	893.00	.3636	.2949	.3690	.1779-01	.1779-01	.1443-01	.1805-01	10.17	73.71	628.2
349	.65000	.00000	894.00	.3155	.2517	.2661	.1544-01	.1544-01	.1231-01	.1302-01	8.119	65.28	674.2
349	.70000	.00000	895.00	.1594	.1289	.1359	.7800-02	.7800-02	.6307-02	.6647-02	4.395	55.01	636.8
349	.70000	.05000	896.00	.2321	.1883	.2079	.1135-01	.1135-01	.9214-02	.1017-01	6.517	58.09	626.2
349	.70000	.10000	897.00	.2162	.1759	.2057	.1059-01	.1059-01	.8607-02	.1007-01	6.156	55.01	636.8
349	.70000	.15000	898.00	.1859	.1518	.1789	.9094-02	.9094-02	.7427-02	.8752-02	5.406	41.31	605.8
349	.70000	.20000	899.00	.1567	.1283	.1516	.7667-02	.7667-02	.6275-02	.7417-02	4.609	27.75	599.0
349	.70000	.25000	900.00	.1542	.1262	.1492	.7545-02	.7545-02	.6173-02	.7299-02	4.529	28.03	599.9
349	.70000	.30000	901.00	.2513	.2048	.2432	.1229-01	.1229-01	.1002-01	.1150-01	7.218	44.40	613.1
349	.70000	.35000	902.00	.2595	.2165	.2279	.2591-01	.2591-01	.2079-01	.2609-01	14.03	95.29	638.7
349	.70000	.40000	903.00	.2686	.2165	.2279	.1304-01	.1304-01	.1059-01	.1115-01	7.506	57.38	624.8
349	.75000	.00000	904.00	.3703	.2970	.3268	.1811-01	.1811-01	.1453-01	.1609-01	9.796	73.65	659.4
349	.75000	.05000	905.00	.4085	.3297	.3794	.1998-01	.1998-01	.1613-01	.1856-01	11.15	78.89	642.2
349	.75000	.10000	906.00	.3674	.2965	.3488	.1797-01	.1797-01	.1451-01	.1706-01	10.03	66.56	641.9
349	.75000	.15000	907.00	.2042	.1666	.1967	.9992-02	.9992-02	.8153-02	.9621-02	5.907	39.81	609.1
349	.75000	.20000	908.00	.1369	.1122	.1323	.6699-02	.6699-02	.5489-02	.6471-02	4.054	25.15	595.1

REPRODUCIBILITY OF THE
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AEDC VAF V418-57A (04-498) COLLATION DECK

04-498 (AEDC V418-57A) ORBITER LOWER WING.

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(RV1L33)

RUN NUMBER	21/8	X/C	T/C NO	W/REF R=0.9	H/REF R=1.0	H/REF (TAW)	H(ISTO) BTU/ R FT2SEC	H(ISO) BTU/ R FT2SEC	HITAM) BTU/ R FT2SEC	COOT BTU/ R FT2SEC	DTNOT DEG. R /SEC	TH DEG. R
349	75000	40000	910.00	.1262	.1034	.1220	.6176-02	.5057-02	.5967-02	3.723	23.76	597.3
349	75000	60000	911.00	.2594	.2117	.2510	.1269-01	.1036-01	.1228-01	7.519	49.18	607.6
349	75000	80000	912.00	.6808	.5391	.6712	.3330-01	.2637-01	.3284-01	16.89	129.7	692.9
349	75000	90000	913.00	.4902	.3955	.4934	.2398-01	.1935-01	.2414-01	13.36	92.89	643.3
349	75000	95000	914.00	.3608	.2918	.3656	.1765-01	.1427-01	.1785-01	9.949	71.77	636.6
349	80000	00000	915.00	.3596	.2875	.3037	.1759-01	.1406-01	.1486-01	9.351	81.66	668.6
349	80000	20000	916.00	.5091	.4094	.4890	.2490-01	.2003-01	.2392-01	13.64	90.03	652.5
349	80000	40000	917.00	.2055	.1675	.1981	.1005-01	.8195-02	.8693-02	5.917	41.12	611.5
349	80000	60000	918.00	.4988	.4006	.5017	.2440-01	.1960-01	.2454-01	13.28	91.79	656.1
349	85000	00000	919.00	.4088	.3275	.3459	.2000-01	.1602-01	.1692-01	10.74	80.62	633.1
349	85000	20000	920.00	.4619	.3723	.4428	.2260-01	.1821-01	.2166-01	12.52	85.59	646.0
349	85000	40000	921.00	.4953	.3982	.4758	.2423-01	.1948-01	.2327-01	13.25	93.22	653.5
349	90000	00000	922.00	.2266	.1846	.1942	.1109-01	.9029-02	.9500-02	6.485	49.80	615.3
349	90000	10000-00	923.00	.2872	.2345	.2744	.1405-01	.1147-01	.1343-01	8.340	60.03	606.6
349	90000	20000	924.00	.1760-01	.1360-01	.1660-01	.8592-03	.6665-03	.8144-03	3.550	2.593	738.9
349	90000	30000	925.00	.4493	.3625	.4313	.2198-01	.1773-01	.2110-01	12.24	83.79	643.2
349	90000	50000	926.00	.4375	.3534	.4211	.2140-01	.1729-01	.2060-01	12.00	82.28	639.4
349	90000	60000	927.00	.5702	.4544	.5612	.2789-01	.2223-01	.2746-01	14.60	107.0	676.7
349	90000	80000	928.00	.4851	.3886	.4891	.2373-01	.1901-01	.2393-01	12.75	95.68	663.0
349	95000	00000	929.00	.1265	.1060	.1112	.6266-02	.5184-02	.5439-02	3.945	28.98	572.6
349	95000	50000-01	930.00	.1942	.1594	.1819	.9498-02	.7799-02	.8838-02	5.812	40.85	588.7
349	95000	10000-00	931.00	.2128	.1744	.2024	.1041-01	.8534-02	.9903-02	6.309	45.69	594.3
349	95000	20000	932.00	.3088	.2516	.2967	.1511-01	.231-01	.1452-01	8.858	59.56	613.9
349	95000	30000	933.00	.3876	.3135	.3727	.1896-01	.1534-01	.1823-01	10.71	73.60	635.2
349	95000	50000	934.00	.3273	.2653	.3156	.1601-01	.1298-01	.1544-01	9.147	65.14	628.9
349	95000	70000	935.00	.4403	.3540	.4283	.2154-01	.1732-01	.2095-01	11.79	84.36	653.0
349	95000	90000	936.00	.4847	.3897	.4809	.2371-01	.1907-01	.2353-01	12.98	91.35	652.8
349	95000	90000	937.00	.3776	.3053	.3801	.1847-01	.1493-01	.1860-01	10.40	75.04	637.0

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L34)

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 15.00 SPDRBK = .0000
BDFLAP = 15.00 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
368	7.980	2.004	40.10	.0000	180.0	428.7	.4500-01	1288.	93.70	1.990	3786.	.3935-04
369	7.980	2.022	40.08	.0000	180.0	429.9	.4500-01	1282.	93.30	1.995	3778.	.4023-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
368	.7548-07	.3459-01		0.0175
369	.7515-07	.3461-01		.2881-01 .2870-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	OOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
369	.30000	.00000	845.00	.4450-01	.3670-01	.3930-01	.1540-02	.1271-02	.1380-02	.9330	10.37	548.0
369	.30000	.50700-01	846.00	.1404	.1148	.1260	.4858-02	.3974-02	.4362-02	2.800	30.67	577.6
369	.30000	.10000-00	847.00	.1324	.1085	.1196	.4581-02	.3755-02	.4139-02	2.670	22.57	571.1
369	.30000	.20300	848.00	.1217	.0990-01	.1110	.4211-02	.3455-02	.3842-02	2.471	17.55	567.3
369	.30000	.40000	850.00	.7020-01	.5740-01	.6440-01	.2428-02	.1968-02	.2230-02	1.404	9.935	575.6
369	.30000	.50000	851.00	.6540-01	.5350-01	.6050-01	.2263-02	.1651-02	.2093-02	1.303	9.516	578.0
369	.30000	.60300	852.00	.7570-01	.6190-01	.7000-01	.2620-02	.2142-02	.2422-02	1.505	10.98	579.3
369	.30000	.70000	853.00	.9140-01	.7470-01	.8460-01	.3162-02	.2584-02	.2927-02	1.814	12.80	580.2
369	.30000	.80000	854.00	.1250	.1021	.1164	.4327-02	.3535-02	.4028-02	2.476	18.04	581.8
369	.30000	.90000	855.00	.2341	.1911	.2231	.8101-02	.6613-02	.7732-02	4.617	33.05	584.1
369	.30000	.95000	856.00	.1939	.1547	.1821	.6536-02	.5352-02	.6331-02	3.788	26.81	574.5
369	.30000	.00300	857.00	.1053	.0650-01	.9410-01	.3644-02	.2995-02	.3257-02	2.156	18.30	562.4
369	.30000	.00000	858.00	.1683	.1375	.1499	.5825-02	.4757-02	.5167-02	3.328	33.06	582.6
369	.40000	.50000-01	859.00	.3347	.2722	.2941	.1158-01	.9420-02	.1018 11	6.471	45.33	595.2
369	.40000	.10000-00	860.00	.2350	.1916	.2116	.8132-02	.6632-02	.7323-02	4.609	32.42	587.2
369	.40000	.20000	861.00	.1422	.1162	.1306	.4921-02	.4023-02	.4521-02	2.826	20.62	579.7
369	.40000	.30000	862.00	.1183	.0970-01	.1093	.4094-02	.3345-02	.3784-02	2.344	16.53	581.5
369	.40000	.40000	863.00	.1034	.8450-01	.9570-01	.3580-02	.2925-02	.3310-02	2.050	15.46	581.3
369	.40000	.50000	864.00	.1204	.9840-01	.1110	.4165-02	.3406-02	.3843-02	2.397	15.91	578.5

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL34)

OH-49B (AEDC V41B-57A) ORBITER LOWER KING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(MTO) BTU/ R FT2SEC	H(MTAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
369	.40000	.70000	865.00	.1609	.1313	.1487	.5568-02	.4545-02	.5145-02	3.172	20.99	584.3
369	.40000	.75000	866.00	.1456	.1189	.1351	.5037-02	.4114-02	.4674-02	2.880	20.98	582.3
369	.40000	.85000	867.00	.3139	.2548	.2957	.1086-01	.8817-02	.1023-01	5.999	44.02	601.9
369	.40000	.90000	868.00	.2664	.2166	.2559	.9220-02	.7496-02	.8855-02	5.138	42.88	596.8
369	.40000	.95000	869.00	.2507	.2041	.2429	.8677-02	.7063-02	.8405-02	4.867	38.48	593.1
369	.50000	.00000	871.00	.4605	.3880	.4249	.1663-01	.1343-01	.1471-01	8.942	71.18	616.3
369	.50000	.50000-01	872.00	.3396	.2753	.2997	.1175-01	.9546-02	.1037-01	6.518	48.71	599.4
369	.50000	.10000+00	873.00	.2123	.1734	.1929	.7348-02	.6000-02	.6674-02	4.193	30.53	583.4
369	.50000	.20000	874.00	.1439	.1177	.1326	.4980-02	.4075-02	.4587-02	2.875	20.33	576.7
369	.50000	.30000	875.00	.1120	.9170-01	.1034	.3977-02	.3172-02	.3579-02	2.237	15.82	576.8
369	.50000	.40000	876.00	.9880-01	.8080-01	.9130-01	.3419-02	.2797-02	.3160-02	1.971	13.93	577.5
369	.50000	.60000	877.00	.9800-01	.6010-01	.9060-01	.3390-02	.2772-02	.3136-02	1.948	13.33	579.3
369	.50000	.90000	878.00	.3354	.2722	.3099	.1161-01	.9420-02	.1072-01	6.408	48.67	602.0
369	.60000	.00000	879.00	.6060	.4812	.5312	.2104-01	.1665-01	.1838-01	10.24	82.58	667.4
369	.60000	.00000	880.00	.5737	.4553	.5021	.1945-01	.1576-01	.1738-01	9.797	85.8	660.5
369	.60000	.25000-01	881.00	.6011	.5532	.5910	.2392-01	.1914-01	.2045-01	12.30	90.14	639.7
369	.60000	.50000-01	882.00	.3808	.3073	.3475	.1336-01	.1063-01	.1162-01	7.061	65.93	618.2
369	.60000	.75000-01	883.00	.3861	.3129	.3475	.9863-02	.8036-02	.8989-02	5.562	52.78	605.6
369	.60000	.10000+00	884.00	.2850	.2322	.2597	.6241-02	.5103-02	.5085-02	3.163	25.34	590.1
369	.60000	.20000	885.00	.1803	.1475	.1664	.5510-02	.4504-02	.4322-02	2.691	18.40	580.2
369	.60000	.30000	886.00	.1592	.1301	.1469	.4689-02	.3833-02	.4015-02	2.502	17.12	577.9
369	.60000	.40000	887.00	.1355	.1107	.1249	.4342-02	.3551-02	.3824-02	16.36	34.52	595.9
369	.60000	.50000	888.00	.1255	.1026	.1160	.8546-02	.6950-02	.6054-02	5.483	42.07	586.7
369	.60000	.60000	889.00	.1194	.9770-01	.1105	.9752-02	.7941-02	.9236-02	5.438	54.76	615.3
369	.60000	.80000	891.00	.2469	.2008	.2327	.1008-01	.9929-02	.1087-01	6.621	54.23	587.8
369	.60000	.85000	892.00	.2818	.2295	.2670	.8721-02	.7119-02	.7545-02	3.060	39.23	584.4
369	.60000	.90000	893.00	.2912	.2373	.2804	.7782-02	.6573-02	.6167-02	4.063	35.05	582.0
369	.60000	.95000	894.00	.2754	.2249	.2659	.9531-02	.7941-02	.9236-02	5.438	40.26	583.5
369	.60000	.00000	895.00	.3552	.2869	.3142	.1229-01	.9929-02	.1087-01	6.621	54.76	615.3
369	.70000	.00000	896.00	.1562	.1273	.1389	.5404-02	.4407-02	.4807-02	3.060	39.23	587.8
369	.70000	.25000-01	897.00	.2520	.2057	.2180	.8721-02	.7119-02	.7545-02	3.060	39.23	584.4
369	.70000	.50000+00	898.00	.2592	.2117	.2360	.8970-02	.7327-02	.8167-02	5.131	35.05	582.0
369	.70000	.75000	899.00	.2040	.1668	.1876	.7059-02	.5773-02	.5333-02	4.968	24.71	575.3
369	.70000	.90000	900.00	.1659	.1366	.1543	.5775-02	.4727-02	.5333-02	3.342	20.36	576.4
369	.70000	.00000	901.00	.1524	.1247	.1409	.5275-02	.4317-02	.4877-02	3.047	19.08	576.4
369	.70000	.25000	902.00	.1704	.1392	.1575	.5897-02	.4917-02	.5452-02	3.375	21.08	581.6
369	.70000	.50000	903.00	.2147	.1751	.2063	.7430-02	.5923-02	.6448-02	4.212	29.66	586.6
369	.75000	.00000	904.00	.2089	.1711	.1863	.7225-02	.5923-02	.6448-02	4.212	29.66	586.6
369	.75000	.25000-01	905.00	.3275	.2661	.2819	.1133-01	.9209-02	.9754-02	6.501	48.60	598.0
369	.75000	.50000-01	906.00	.3365	.2746	.3006	.1165-01	.9503-02	.1040-01	6.612	48.07	585.5
369	.75000	.75000	907.00	.2914	.2378	.2652	.1008-01	.8330-02	.9178-02	5.759	39.14	584.9
369	.75000	.00000	908.00	.1968	.1610	.1812	.6810-02	.5571-02	.6270-02	3.928	26.90	577.1
369	.75000	.30000	909.00	.1677	.1373	.1548	.5802-02	.4752-02	.5356-02	3.366	21.11	573.9

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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(RVIL34)

OR-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAN)	H(910) BTU/ R FT2SEC	H(101) BTU/ R FT2SEC	H(101) BTU/ R FT2SEC	H(101) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTHOT DEG. R /SEC	TW DEG. R
369	.75000	.40000	910.00	.1481	.1212	.1367	.5125-02	.4194-02	.4731-02	.4731-02	2.960	19.08	576.4
369	.75000	.60000	911.00	.1551	.1269	.1435	.5367-02	.4392-02	.4966-02	.4966-02	3.101	20.60	576.3
369	.75000	.80000	912.00	.2733	.2218	.2573	.9458-02	.7675-02	.8903-02	.8903-02	5.221	41.86	602.0
369	.75000	.90000	913.00	.2235	.1826	.2149	.7739-02	.6320-02	.7435-02	.7435-02	4.422	31.68	582.7
369	.75000	.95000	914.00	.1549	.1267	.1499	.5359-02	.4384-02	.5187-02	.5187-02	3.087	22.92	578.1
369	.80000	.00000	915.00	.2651	.2155	.2354	.9175-02	.7458-02	.8147-02	.8147-02	5.109	46.18	597.2
369	.80000	.20000	916.00	.2200	.1800	.2027	.7614-02	.6229-02	.7014-02	.7014-02	4.392	30.07	577.2
369	.80000	.40000	917.00	.1538	.1258	.1418	.5323-02	.4352-02	.4907-02	.4907-02	3.061	21.62	578.9
369	.80000	.60000	918.00	.376	.2423	.2856	.1030-01	.8384-02	.9883-02	.9883-02	5.778	41.18	593.1
369	.85000	.00000	919.00	.395	.2438	.2662	.1037-01	.8439-02	.9213-02	.9213-02	5.818	45.17	592.8
369	.85000	.20000	920.00	.2095	.1713	.1925	.7252-02	.5929-02	.6663-02	.6663-02	4.165	29.41	579.6
369	.85000	.40000	921.00	.1658	.1363	.1536	.5774-02	.4718-02	.5316-02	.5316-02	3.307	24.10	581.4
369	.85000	.60000	922.00	.1684	.1381	.1503	.5827-02	.4779-02	.5201-02	.5201-02	3.405	26.75	569.7
369	.90000	.00000	923.00	.2187	.1791	.2000	.7569-02	.6198-02	.6922-02	.6922-02	4.389	32.11	574.1
369	.90000	.20000	924.00	.1380-01	.1060-01	.1230-01	.4773-03	.3669-03	.4253-03	.4253-03	2.030	1.337	778.0
369	.90000	.40000	925.00	.2005	.1640	.1845	.6942-02	.5675-02	.6385-02	.6385-02	3.986	28.13	579.9
369	.90000	.60000	926.00	.1727	.1411	.1592	.5977-02	.4885-02	.5509-02	.5509-02	3.427	24.18	580.6
369	.90000	.80000	927.00	.5306	.4285	.4978	.1836-01	.1483-01	.1723-01	.1723-01	9.883	74.55	615.8
369	.90000	.90000	928.00	.4112	.3334	.3951	.1423-01	.1154-01	.1368-01	.1368-01	7.817	60.34	604.8
369	.95000	.00000	929.00	.9440-01	.7790-01	.8450-01	.3266-02	.2695-02	.2926-02	.2926-02	1.977	14.65	548.6
369	.95000	.20000	930.00	.1538	.1265	.1383	.5322-02	.4379-02	.4785-02	.4785-02	3.166	22.58	559.2
369	.95000	.40000	931.00	.1700	.1395	.1548	.5884-02	.4830-02	.5359-02	.5359-02	3.458	25.39	566.3
369	.95000	.60000	932.00	.1885	.1544	.1733	.6523-02	.5344-02	.5999-02	.5999-02	3.792	26.03	572.6
369	.95000	.80000	933.00	.1908	.1561	.1757	.6603-02	.5401-02	.6082-02	.6082-02	3.806	26.89	577.6
369	.95000	.90000	934.00	.1596	.1305	.1473	.5523-02	.4516-02	.5098-02	.5098-02	3.176	23.18	579.0
369	.95000	.00000	935.00	.5554	.4562	.5239	.1957-01	.1579-01	.1813-01	.1813-01	10.48	76.30	618.3
369	.95000	.20000	936.00	.4739	.3842	.4483	.1640-01	.1330-01	.1551-01	.1551-01	9.009	64.92	604.7
369	.95000	.40000	937.00	.3362	.2740	.3230	.1164-01	.9482-02	.1118-01	.1118-01	6.568	48.48	589.6

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L34)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = .0000
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
354	7.990	2.968	40.15	.0000	180.0	674.1	.7000-01	1337.	97.10	3.111	3858.	.6014-04
355	7.990	2.971	40.09	.0000	180.0	673.8	.7000-01	1336.	97.00	3.109	3856.	.6018-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
354	.7819-07	.4353-01	0.0175
355	.7810-07	.4351-01	.2356-01

TEST DATA

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
355	.30000	.00000	845.00	.4480-01	.3720-01	.4030-01	.1950-02	.1619-02	.1753-02	1.274	14.15	548.8
355	.30000	.50000-01	846.00	.1351	.1109	.1215	.5879-02	.4822-02	.5287-02	3.583	38.96	592.6
355	.30000	.10000-00	847.00	.1219	.1003	.1104	.5305-02	.4363-02	.4801-02	3.284	27.59	583.1
355	.30000	.20000	848.00	.1219	.1004	.1114	.5304-02	.4369-02	.4847-02	3.312	23.41	577.5
355	.30000	.40000	850.00	.7410-01	.6080-01	.6920-01	.3226-02	.2647-02	.2966-02	1.971	13.84	590.9
355	.30000	.50000	851.00	.9760-01	.8000-01	.9040-01	.4246-02	.3480-02	.3931-02	2.576	18.65	595.4
355	.30000	.60000	852.00	.1520	.1244	.1406	.6615-02	.5413-02	.6117-02	3.980	28.73	600.5
355	.30000	.70000	853.00	.2166	.1735	.1968	.9252-02	.7554-02	.8563-02	5.949	38.28	607.8
355	.30000	.80000	854.00	.2726	.2220	.2535	.1186-01	.9660-02	.1103-01	6.949	49.79	616.3
355	.30000	.90000	855.00	.3329	.2712	.3171	.1449-01	.1180-01	.1380-01	8.501	59.93	615.2
355	.35000	.00000	856.00	.2539	.2127	.2505	.1131-01	.9253-02	.1090-01	6.796	47.47	601.2
355	.40000	.00000	857.00	.1031	.8510-01	.9240-01	.4435-02	.3703-02	.4020-02	2.838	24.01	598.3
355	.40000	.00000	858.00	.1681	.1377	.1499	.7315-02	.5990-02	.6524-02	4.417	43.53	598.3
355	.40000	.50000-01	859.00	.3332	.2712	.2930	.1450-01	.1180-01	.1275-01	9.471	58.69	617.8
355	.40000	.10000-00	860.00	.2391	.1952	.2154	.1040-01	.8495-02	.9374-02	6.184	43.06	607.6
355	.40000	.20000	861.00	.1523	.1247	.1400	.6626-02	.5426-02	.6092-02	4.201	29.92	598.2
355	.40000	.30000	862.00	.1428	.1201	.1357	.6386-02	.5226-02	.5906-02	3.845	26.87	599.9
355	.40000	.40000	863.00	.1599	.1303	.1479	.6356-02	.5690-02	.6435-02	4.174	31.15	602.1
355	.40000	.60000	864.00	.2391	.1947	.2197	.1036-01	.8472-02	.9558-02	6.209	40.71	602.8

(RV1L34)

AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
355	40000	.70000	865.00	.3286	.2672	.3031	.1430-01	.1163-01	.1319-01	8.321	54.10	620.0
355	40000	.75000	866.00	.2958	.2410	.2742	.1287-01	.1048-01	.1193-01	7.557	54.18	614.9
355	40000	.85000	867.00	.4840	.3904	.4549	.2106-01	.1698-01	.1979-01	11.73	84.27	645.1
355	40000	.90000	868.00	.4151	.3356	.3982	.1806-01	.1460-01	.1732-01	10.18	83.31	638.2
355	40000	.95000	869.00	.3820	.3093	.3697	.1662-01	.1346-01	.1608-01	9.441	73.15	634.2
355	50000	.00000	871.00	.4651	.3749	.4109	.2023-01	.1631-01	.1788-01	11.25	88.23	646.3
355	50000	.50000-01	872.00	.3395	.2755	.2994	.1477-01	.1199-01	.1303-01	8.487	62.56	627.6
355	50000	.10000+00	873.00	.2237	.1828	.2032	.9731-02	.7953-02	.8843-02	5.814	41.89	604.6
355	50000	.20000	874.00	.1619	.1326	.1492	.7043-02	.5772-02	.6492-02	4.271	29.92	595.6
355	50000	.30000	875.00	.1471	.1165	.1313	.6183-02	.5068-02	.5712-02	3.756	26.32	594.6
355	50000	.40000	876.00	.1455	.1192	.1346	.6338-02	.5187-02	.5855-02	3.830	26.80	597.3
355	50000	.50000	877.00	.1909	.1561	.1766	.8308-02	.6790-02	.7683-02	4.965	33.54	604.5
355	50000	.60000	878.00	.4226	.3417	.3898	.1839-01	.1487-01	.1696-01	10.38	77.44	637.8
355	50000	.70000	879.00	.5710	.4487	.4968	.2485-01	.1952-01	.2162-01	12.17	96.08	712.4
355	60000	.00000	880.00	.5600	.4413	.4881	.2437-01	.1920-01	.2124-01	12.10	103.8	705.6
355	60000	.25000-01	881.00	.6833	.5430	.5812	.2973-01	.2363-01	.2529-01	15.37	110.2	685.2
355	60000	.50000-01	882.00	.3801	.3051	.3340	.1654-01	.1328-01	.1453-01	8.990	82.31	658.5
355	60000	.75000-01	883.00	.3793	.3067	.3412	.1653-01	.1335-01	.1485-01	9.256	65.49	642.1
355	60000	.10000+00	884.00	.2925	.2380	.2664	.1273-01	.1036-01	.1159-01	7.427	51.44	618.5
355	60000	.20000	885.00	.1903	.1558	.1757	.8279-02	.6777-02	.7644-02	4.989	34.88	599.5
355	60000	.30000	886.00	.1769	.1448	.1633	.7698-02	.6299-02	.7106-02	4.628	30.37	601.0
355	60000	.40000	887.00	.1645	.1346	.1517	.7159-02	.5855-02	.6600-02	4.292	29.02	602.7
355	60000	.50000	888.00	.1581	.1294	.1462	.6878-02	.5630-02	.6362-02	4.144	28.06	599.6
355	60000	.60000	889.00	.1634	.1338	.1512	.7109-02	.5821-02	.6573-02	4.290	29.06	598.7
355	60000	.80000	891.00	.3544	.2935	.3431	.1585-01	.1286-01	.1493-01	9.075	64.60	629.7
355	60000	.892.00	892.00	.4038	.3279	.3823	.1757-01	.1427-01	.1664-01	10.14	71.19	624.8
355	60000	.893.00	893.00	.3164	.2645	.3045	.1693-01	.1377-01	.1629-01	9.855	71.68	619.9
355	60000	.894.00	894.00	.2805	.2812	.3332	.1496-01	.1221-01	.1450-01	8.843	64.59	611.1
355	65000	.895.00	895.00	.3484	.2812	.3080	.1516-01	.1223-01	.1340-01	8.467	69.67	643.6
355	70000	.00000	896.00	.1566	.1279	.1394	.6813-02	.5565-02	.6067-02	4.058	51.55	606.5
355	70000	.25000-01	897.00	.2473	.2019	.2140	.1076-01	.8786-02	.9310-02	6.403	57.61	606.9
355	70000	.50000+00	898.00	.2588	.2110	.2354	.1126-01	.9181-02	.1024-01	6.648	44.75	611.6
355	70000	.201.00	899.00	.2186	.1789	.2012	.9513-02	.7783-02	.8753-02	5.717	34.39	601.1
355	70000	.30000	900.00	.1629	.1499	.1692	.7956-02	.6523-02	.7361-02	4.835	29.18	594.4
355	70000	.40000	901.00	.1720	.1410	.1591	.7486-02	.6134-02	.6924-02	4.537	28.14	596.0
355	70000	.50000	902.00	.2030	.1658	.1877	.8333-02	.7215-02	.8166-02	5.260	22.46	606.6
355	70000	.60000	903.00	.4423	.3584	.4245	.1925-01	.1560-01	.1847-01	10.98	75.60	631.4
355	75000	.00000	904.00	.2223	.1827	.1987	.9674-02	.7949-02	.8645-02	5.954	46.38	586.6
355	75000	.25000-01	905.00	.3293	.2675	.2833	.1433-01	.1164-01	.1233-01	8.274	63.25	624.7
355	75000	.50000-01	906.00	.3310	.2695	.2952	.1440-01	.1173-01	.1284-01	8.431	60.39	616.7
355	75000	.10000+00	907.00	.2928	.2383	.2661	.1274-01	.1037-01	.1158-01	7.445	49.97	617.7
355	75000	.20000	908.00	.2095	.1713	.1928	.9116-02	.7454-02	.8391-02	5.462	36.93	602.9
355	75000	.30000	909.00	.1799	.1475	.1662	.7828-02	.6419-02	.7230-02	4.763	29.57	593.7

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
355	.75000	.40000	910.00	.1618	.1325	.1494	.7040-02	.5767-02	.6502-02	4.261	27.19	596.9
355	.75000	.60000	911.00	.1853	.1517	.1715	.8063-02	.5601-02	.7462-02	4.862	31.94	599.1
355	.75000	.80000	912.00	.5753	.4619	.5397	.2503-01	.2010-01	.2348-01	13.61	106.2	658.2
355	.75000	.90000	913.00	.5065	.4109	.4859	.2204-01	.1788-01	.2114-01	12.64	88.56	628.5
355	.75000	.95000	914.00	.4005	.3252	.3871	.1743-01	.1415-01	.1684-01	10.05	72.89	625.4
355	.80000	.00000	915.00	.2710	.2201	.2405	.1179-01	.9577-02	.1046-01	6.814	60.79	624.2
355	.80000	.20000	916.00	.2130	.1740	.1961	.9269-02	.7572-02	.8532-02	5.524	37.28	606.2
355	.80000	.40000	917.00	.1651	.1350	.1522	.7182-02	.5875-02	.6622-02	4.313	30.12	601.6
355	.80000	.60000	918.00	.5412	.4368	.5182	.2355-01	.1900-01	.2255-01	13.15	91.49	643.4
355	.80000	.80000	919.00	.3107	.2528	.2761	.1352-01	.1100-01	.1201-01	7.888	60.48	618.6
355	.85000	.00000	920.00	.2214	.1806	.2032	.9632-02	.7859-02	.8842-02	5.704	39.67	609.9
355	.85000	.20000	921.00	.1906	.1556	.1754	.8293-02	.6771-02	.7631-02	4.927	35.45	607.9
355	.85000	.40000	922.00	.1752	.1440	.1566	.7621-02	.6234-02	.6812-02	4.700	36.63	585.4
355	.90000	.00000	923.00	.2418	.1978	.2210	.1052-01	.8605-02	.9615-02	6.315	45.56	601.8
355	.90000	.10000+00	924.00	.1460-01	.1140-01	.1210-01	.6352-03	.4346-03	.5694-03	2.980	1.959	732.2
355	.90000	.30000	925.00	.2157	.1759	.1982	.9384-02	.7655-02	.8623-02	5.549	38.58	610.8
355	.90000	.50000	926.00	.1995	.1629	.1838	.8681-02	.7088-02	.7998-02	5.160	35.93	607.6
355	.90000	.70000	927.00	.6019	.4837	.5637	.2619-01	.2105-01	.2453-01	14.31	105.9	655.5
355	.90000	.90000	928.00	.4841	.3907	.4647	.2106-01	.1700-01	.2022-01	11.77	89.14	643.5
355	.95000	.00000	929.00	.1023	.8490-01	.9200-01	.4453-02	.3692-02	.4001-02	2.887	21.34	553.7
355	.95000	.50000-01	930.00	.1590	.1311	.1431	.6918-02	.5706-02	.6228-02	4.349	30.80	573.4
355	.95000	.10000+00	931.00	.1801	.1480	.1641	.7838-02	.6440-02	.7141-02	4.822	35.05	586.9
355	.95000	.20000	932.00	.2071	.1696	.1904	.9010-02	.7378-02	.8284-02	5.438	36.84	598.6
355	.95000	.30000	933.00	.2070	.1690	.1905	.9008-02	.7355-02	.8290-02	5.353	37.27	607.8
355	.95000	.50000	934.00	.1795	.1466	.1656	.7810-02	.6377-02	.7204-02	4.640	33.38	608.0
355	.95000	.70000	935.00	.6090	.4895	.5633	.2650-01	.2130-01	.2451-01	14.49	103.6	655.1
355	.95000	.80000	936.00	.5400	.4362	.5102	.2349-01	.1898-01	.2220-01	13.19	93.40	643.6
355	.95000	.90000	937.00	.4035	.3280	.3874	.1756-01	.1427-01	.1686-01	10.19	74.02	621.8

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AEDC VKI V41B-57A (04-498) COLLATION DECK

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(RVIL34)

04-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = .0000
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RM/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
350	8.000	3.778	40.08	.0000	180.0	859.0	.8800-01	1335.	56.70	3.942	3855.	.7632-04
351	8.000	3.777	40.11	.0000	180.0	860.8	.8800-01	1337.	96.90	3.950	3858.	.7636-04

RUN NUMBER	MACH	RM/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
350	8.000	3.778	40.08	.0000	180.0	859.0	.8800-01	1335.	56.70	3.942	3855.	.7632-04
351	8.000	3.777	40.11	.0000	180.0	860.8	.8800-01	1337.	96.90	3.950	3858.	.7636-04

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1STO1 BTU/ R FT2SEC	H1TO1 BTU/ R FT2SEC	H1TAW1 BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTHOT DEG. R /SEC	TH DEG. R
351	30000	.00000	845.00	.4470-01	.3700-01	.4020-01	.2193-02	.1817-02	.1970-02	1.414	15.63	558.6
351	30000	.50000-01	846.00	.1326	.1083	.1190	.6505-02	.5312-02	.5835-02	3.872	41.77	608.1
351	30000	.10000+00	847.00	.1242	.1017	.1121	.6091-02	.4990-02	.5501-02	3.689	30.78	597.5
351	30000	.20000	848.00	.1229	.1009	.1121	.6029-02	.4949-02	.5500-02	3.692	25.92	590.9
351	30000	.40000	850.00	.9030-01	.7380-01	.8590-01	.4429-02	.3620-02	.4064-02	2.649	18.46	605.3
351	30000	.50000	851.00	.1554	.1265	.1435	.7651-02	.6206-02	.7033-02	4.470	32.02	616.7
351	30000	.60000	852.00	.2481	.2015	.2287	.1217-01	.9884-02	.1122-01	7.038	50.22	624.8
351	30000	.70000	853.00	.3141	.2542	.2896	.1541-01	.1247-01	.1420-01	8.733	59.96	635.4
351	30000	.80000	854.00	.3472	.2802	.3216	.1703-01	.1374-01	.1578-01	9.517	67.26	644.4
351	30000	.90000	855.00	.3611	.2932	.3434	.1771-01	.1433-01	.1684-01	10.04	70.04	636.6
351	30000	.95000	856.00	.2878	.2340	.2770	.1412-01	.1148-01	.1359-01	8.207	56.75	621.9
351	35000	.00000	857.00	.1068	.8790-01	.9560-01	.5239-02	.4312-02	.4687-02	3.256	27.40	581.3
351	40000	.00000	858.00	.1774	.1446	.1578	.8702-02	.7092-02	.7739-02	5.122	50.08	614.7
351	40000	.3409	859.00	.3409	.2757	.2985	.1672-01	.1352-01	.1464-01	9.456	64.88	637.8
351	40000	.50000-01	859.00	.2505	.2035	.2251	.1629-01	.9960-02	.1104-01	7.091	48.92	626.5
351	40000	.10000+00	860.00	.2505	.2035	.2251	.1629-01	.9960-02	.1104-01	7.091	48.92	626.5
351	40000	.20000	861.00	.1788	.1456	.1640	.8771-02	.7142-02	.8043-02	5.142	36.83	616.9
351	40000	.30000	862.00	.2043	.1661	.1895	.1002-01	.8149-02	.9243-02	5.832	40.34	621.3
351	40000	.40000	863.00	.2426	.1970	.2237	.1190-01	.9651-02	.1097-01	6.869	50.57	626.0
351	40000	.60000	864.00	.3685	.2990	.3388	.1807-01	.1466-01	.1662-01	10.39	67.28	628.3

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AEDC VKF V41B-57A (OH-498) COLLATION DETC:

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

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(RVIL34)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1GTO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
351	.40000	.70000	865.00	.4225	.3403	.3882	.2072-01	.1669-01	.1904-01	11.48	73.55	649.5
351	.40000	.75000	866.00	.3734	.3016	.3449	.1831-01	.1480-01	.1692-01	10.29	72.85	641.3
351	.40000	.85000	867.00	.5236	.4187	.4908	.2568-01	.2054-01	.2407-01	13.71	97.34	669.5
351	.40000	.90000	868.00	.4436	.3555	.4246	.2176-01	.1744-01	.2083-01	11.75	94.92	663.4
351	.40000	.95000	869.00	.4162	.3341	.4021	.2041-01	.1538-01	.1972-01	11.10	94.98	659.4
351	.50000	.00000	871.00	.4668	.3736	.4107	.2290-01	.1832-01	.2014-01	12.27	95.27	667.5
351	.50000	.50000-01	872.00	.3554	.2863	.3120	.1743-01	.1404-01	.1530-01	9.664	70.51	648.8
351	.50000	.10000+00	873.00	.2353	.1912	.2132	.1154-01	.9380-02	.1046-01	6.690	47.76	623.7
351	.50000	.20000	874.00	.1834	.1494	.1686	.8993-02	.7328-02	.8269-02	5.293	36.72	614.7
351	.50000	.30000	875.00	.1891	.1540	.1742	.9275-02	.7555-02	.8545-02	5.448	37.78	615.8
351	.50000	.40000	876.00	.2157	.1755	.1989	.1058-01	.8607-02	.9754-02	6.169	42.69	620.2
351	.50000	.50000	877.00	.3145	.2549	.2898	.1543-01	.1250-01	.1421-01	8.813	58.75	631.9
351	.50000	.60000	878.00	.4699	.3762	.4316	.2305-01	.1845-01	.2117-01	12.37	91.05	666.5
351	.50000	.70000	879.00	.5642	.4382	.4874	.2767-01	.2149-01	.2363-01	12.87	100.4	733.2
351	.60000	.00000	880.00	.5569	.4336	.4818	.2732-01	.2127-01	.2363-01	12.84	108.8	733.2
351	.60000	.00000	881.00	.6711	.5267	.5657	.3292-01	.2584-01	.2775-01	16.05	113.5	715.5
351	.60000	.25000-01	882.00	.3993	.3171	.3485	.1959-01	.1556-01	.1710-01	10.11	91.35	686.9
351	.60000	.50000-01	883.00	.4135	.3309	.3696	.2028-01	.1623-01	.1813-01	10.85	75.81	688.3
351	.60000	.75000-01	884.00	.3102	.2506	.2815	.1522-01	.1229-01	.1381-01	8.552	58.58	641.2
351	.60000	.20000	885.00	.2141	.1741	.1971	.1050-01	.8542-02	.9746-02	6.122	42.36	620.2
351	.60000	.30000	886.00	.2159	.1755	.1987	.1059-01	.8606-02	.9746-02	6.148	39.92	622.6
351	.60000	.40000	887.00	.2130	.1731	.1958	.1045-01	.8491-02	.9606-02	6.062	40.59	623.0
351	.60000	.50000	888.00	.2140	.1740	.1974	.1049-01	.8535-02	.9680-02	6.111	44.65	620.4
351	.60000	.60000	889.00	.2330	.1895	.2150	.1143-01	.9296-02	.1055-01	6.661	44.65	620.4
351	.60000	.80000	891.00	.4889	.3925	.4588	.2398-01	.1925-01	.2250-01	13.05	91.57	659.1
351	.60000	.85000	892.00	.5182	.4166	.4892	.2542-01	.2043-01	.2399-01	13.93	96.33	655.2
351	.60000	.90000	893.00	.4839	.3896	.4648	.2373-01	.1911-01	.2280-01	13.10	93.86	651.2
351	.65000	.00000	894.00	.4151	.3353	.4015	.2036-01	.1645-01	.1969-01	11.45	82.39	641.1
351	.70000	.00000	895.00	.3470	.2781	.3055	.1702-01	.1364-01	.1499-01	9.185	74.22	663.5
351	.70000	.00000	896.00	.1620	.1316	.1438	.7944-02	.6454-02	.7052-02	4.603	57.98	623.8
351	.70000	.25000-01	897.00	.2573	.2087	.2215	.1262-01	.1024-01	.1087-01	7.243	64.46	629.3
351	.70000	.10000+00	898.00	.2787	.2256	.2526	.1367-01	.1107-01	.1239-01	7.767	51.70	635.0
351	.70000	.20000	899.00	.2521	.2049	.2313	.1237-01	.1005-01	.1134-01	7.180	42.74	622.5
351	.70000	.30000	900.00	.2096	.1708	.1934	.1028-01	.8376-02	.9486-02	6.045	36.11	615.2
351	.70000	.40000	901.00	.2046	.1666	.1887	.1003-01	.8172-02	.9256-02	5.889	36.17	616.3
351	.70000	.50000	902.00	.2603	.2111	.2399	.1277-01	.1035-01	.1177-01	7.321	44.67	629.7
351	.70000	.60000	903.00	.5391	.4322	.5161	.2644-01	.2120-01	.2531-01	14.29	96.92	662.6
351	.75000	.00000	904.00	.2478	.2022	.2205	.1215-01	.9915-02	.1082-01	7.196	55.37	611.2
351	.75000	.25000-01	905.00	.3368	.2714	.2881	.1652-01	.1331-01	.1413-01	9.169	69.30	648.2
351	.75000	.50000-01	906.00	.3398	.2744	.2867	.1667-01	.1346-01	.1479-01	9.353	66.17	642.1
351	.75000	.10000+00	907.00	.3167	.2557	.2867	.1553-01	.1254-01	.1406-01	8.709	57.75	642.5
351	.75000	.20000	908.00	.2397	.1946	.2199	.1176-01	.9544-02	.1079-01	6.778	45.30	626.7
351	.75000	.30000	909.00	.2103	.1714	.1937	.1031-01	.8405-02	.9500-02	6.073	37.33	614.3

AEDC VKF V41B-57A (OH-498) COLLATION CHECK
OH-498 (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

FLN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAM)	H(9TO) BTU/ R F12SEC	H(1TO) BTU/ R F12SEC	H(TAM) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMOT DEG. R /SEC	TW DEG. R
351	75000	40000	910.00	.2026	.1649	.1866	.9937-02	.8090-02	.9153-02	5.818	36.76	617.7
351	75000	60000	911.00	.2304	.1873	.2126	.1130-01	.9187-02	.1043-01	6.571	42.68	621.7
351	75000	80000	912.00	.6465	.5137	.6045	.3171-01	.2520-01	.2965-01	16.39	126.2	686.3
351	75000	90000	913.00	.5561	.4472	.5325	.2728-01	.2193-01	.2612-01	14.97	103.6	654.3
351	75000	95000	914.00	.4328	.3483	.4176	.2123-01	.1708-01	.2048-01	11.70	83.78	652.1
351	80000	00000	915.00	.2746	.2213	.2426	.1347-01	.1086-01	.1190-01	7.486	66.04	647.3
351	80000	20000	916.00	.2536	.2055	.2326	.1244-01	.1008-01	.1141-01	7.108	47.38	631.8
351	80000	40000	917.00	.2047	.1663	.1882	.1004-01	.8156-02	.9229-02	5.808	40.10	624.8
351	80000	60000	918.00	.5832	.4661	.5573	.2861-01	.2286-01	.2733-01	15.23	104.5	639.5
351	85000	00000	919.00	.3173	.2565	.2808	.1256-01	.1258-01	.1377-01	8.774	66.60	671.0
351	85000	20000	920.00	.2456	.1889	.2246	.1205-01	.9753-02	.1102-01	6.853	47.10	634.3
351	85000	40000	921.00	.2175	.1763	.1995	.1067-01	.8647-02	.9786-02	6.100	43.38	631.4
351	90000	00000	922.00	.1774	.1452	.1582	.8701-02	.7122-02	.7758-02	5.248	40.60	600.1
351	90000	10000-00	923.00	.2477	.2013	.2257	.1215-01	.9872-02	.1107-01	7.046	50.31	623.3
351	90000	20000	924.00	.1750-01	.1360-01	.1560-01	.8580-03	.6553-03	.7675-03	3.960	2.587	741.7
351	90000	30000	925.00	.2544	.2059	.2329	.1248-01	.1010-01	.1143-01	7.087	48.69	635.2
351	90000	50000	926.00	.2415	.1957	.2218	.1185-01	.9598-02	.1088-01	6.761	46.51	632.5
351	90000	80000	927.00	.6404	.5093	.5977	.3141-01	.2498-01	.2932-01	16.32	119.2	683.6
351	90000	90000	928.00	.5331	.4258	.5106	.2615-01	.2088-01	.2505-01	13.87	103.6	672.8
351	95000	00000	929.00	.1072	.8860-01	.9620-01	.5259-02	.4347-02	.4717-02	3.354	24.64	565.4
351	95000	50000-01	930.00	.1733	.1423	.1556	.8500-02	.6981-02	.7634-02	5.223	36.71	588.7
351	95000	10000-00	931.00	.1913	.1564	.1739	.9385-02	.7669-02	.8527-02	5.608	40.39	605.7
351	95000	20000	932.00	.2212	.1799	.2027	.1085-01	.8825-02	.9944-02	6.328	42.43	619.9
351	95000	30000	933.00	.2389	.1936	.2191	.1172-01	.9496-02	.1075-01	6.693	46.05	632.2
351	95000	50000	934.00	.2213	.1732	.2033	.1085-01	.8787-02	.9974-02	6.171	43.82	634.7
351	95000	70000	935.00	.6444	.5127	.5939	.3161-01	.2515-01	.2913-01	16.45	116.1	682.8
351	95000	80000	936.00	.5903	.4721	.5562	.2896-01	.2316-01	.2728-01	15.46	108.0	669.3
351	95000	90000	937.00	.4456	.3568	.4273	.2185-01	.1760-01	.2094-01	12.09	86.66	650.0

AEDC VWF V41B-57A (OH-498) COLLATION DECK

DATE 25 AUG 76

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = 40.00
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
380	7.900	.5395	19.98	.0000	180.0	111.7	.1200-01	1283.	95.10	.5420	3776.	.1094-04
381	7.900	.5379	20.02	.0000	180.0	111.3	.1200-01	1282.	95.12	.5400	3775.	.1091-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R	ST FR R =
380	.7660-07	.1804-01	0.0175
381	.7657-07	.1801-01	.5511-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/ R F12SEC	H1TO BTU/ R F12SEC	H1TAW BTU/ R F12SEC	QDOT BTU/ R F12SEC	OTWOT DEG. R /SEC	TM DEG. R
381	.30000	.60000	845.00	.3950-01	.3270-01	.3340-01	.7114-03	.5880-03	.6008-03	.4350	4.845	542.9
381	.30000	.50000-01	846.00	.1074	.8850-01	.1056	.1934-02	.1594-02	.1901-02	1.163	12.89	552.8
381	.30000	.10000+00	847.00	.9730-01	.8000-01	.9580-01	.1745-02	.1441-02	.1726-02	1.056	9.028	549.1
381	.30000	.20000	848.00	.8170-01	.6740-01	.8150-01	.1471-02	.1214-02	.1467-02	.8930	6.406	547.0
381	.30000	.40000	850.00	.5210-01	.4300-01	.5240-01	.9380-03	.7744-03	.9429-03	.5690	4.086	546.9
381	.30000	.50000	851.00	.4180-01	.3450-01	.4230-01	.7621-03	.6210-03	.7615-03	.4570	3.389	546.4
381	.30000	.60000	852.00	.3530-01	.3000-01	.3070-01	.6534-03	.5397-03	.6613-03	.3970	2.950	545.6
381	.30000	.70000	853.00	.3420-01	.2820-01	.3460-01	.6154-03	.5084-03	.6237-03	.3750	2.695	544.4
381	.30000	.80000	854.00	.3630-01	.2540-01	.3130-01	.5542-03	.4581-03	.5645-03	.3330	2.516	543.0
381	.30000	.90000	855.00	.6500-01	.5450-01	.6850-01	.1188-02	.9815-03	.1234-02	.7230	5.279	545.3
381	.30000	.95300	856.00	.6570-01	.4690-01	.5940-01	.1621-02	.8444-03	.1059-02	.6250	4.492	542.5
381	.35000	.00000	857.00	.9550-01	.7820-01	.6050-01	.1719-02	.1418-02	.1450-02	1.039	8.879	549.6
381	.40000	.00000	858.00	.2031	.1658	.1705	.3657-02	.3003-02	.3070-02	2.154	21.59	564.8
381	.40000	.50000-01	859.00	.3435	.2822	.3307	.6185-02	.5081-02	.5955-02	3.649	25.96	564.0
381	.40000	.10000+00	860.00	.1963	.1616	.1938	.3535-02	.2911-02	.3491-02	2.113	15.10	556.1
381	.40000	.20000	861.00	.9410-01	.7760-01	.9470-01	.1694-02	.1397-02	.1705-02	1.023	7.569	550.3
381	.40000	.30000	862.00	.7230-01	.5970-01	.7360-01	.1302-02	.1075-02	.1318-02	.7880	5.653	548.5
381	.40000	.40000	863.00	.5930-01	.4830-01	.6000-01	.1067-02	.8809-03	.1080-02	.6470	4.966	547.2
381	.40000	.60000	864.00	.5990-01	.4940-01	.6040-01	.1077-02	.8902-03	.1088-02	.6570	4.435	544.1

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL35)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
381	.40000	.70000	865.00	.5700-01	.4710-01	.5770-01	.1026-02	.8475-03	.1038-02	.6250	4.216	545.0
381	.40000	.75000	866.00	.3750-01	.3100-01	.3810-01	.1675-03	.5578-03	.6856-03	.4120	3.062	543.2
381	.40000	.85000	867.00	.1288	.1062	.1328	.2320-02	.1913-02	.2392-02	1.399	10.53	551.0
381	.40000	.90000	868.00	.1119	.9230-01	.1170	.2015-02	.1662-02	.2107-02	1.218	10.41	549.4
381	.40000	.95000	869.00	.9420-01	.7780-01	.9900-01	.1696-02	.1400-02	.1783-02	1.030	8.330	546.8
381	.50000	.00000	871.00	.5557	.4523	.4628	.1001-01	.8144-02	.8334-02	5.610	45.16	593.4
381	.50000-01	.50000-01	872.00	.2933	.2460	.2899	.5330-02	.4430-02	.5220-02	3.191	24.29	561.9
381	.50000-00	.10000-00	873.00	.1670	.1377	.1663	.3008-02	.2479-02	.2995-02	1.808	13.36	553.0
381	.50000	.20000	874.00	.1162	.9590-01	.1172	.2092-02	.1726-02	.2110-02	1.266	9.079	548.7
381	.50000	.30000	875.00	.1020	.8420-01	.1031	.1837-02	.1516-02	.1856-02	1.112	7.970	548.8
381	.50000	.40000	876.00	.8990-01	.7420-01	.9090-01	.1619-02	.1336-02	.1638-02	.9810	7.036	548.0
381	.50000	.50000	877.00	.7000-01	.5780-01	.7080-01	.1260-02	.1040-02	.1276-02	.7660	5.326	546.1
381	.50000	.60000	878.00	.1069	.8820-01	.1084	.1925-02	.1588-02	.1952-02	1.166	9.092	548.3
381	.50000	.70000	879.00	.5793	.4681	.4794	.1043-01	.8430-02	.8633-02	5.630	46.59	614.3
381	.60000	.00000	880.00	.4103	.3334	.3413	.7389-02	.6004-02	.6145-02	4.108	37.13	597.9
381	.60000	.25000-01	881.00	.4721	.3859	.4452	.6501-02	.6950-02	.8018-02	4.883	36.85	579.5
381	.60000	.50000-01	882.00	.2497	.2050	.2426	.4497-02	.3691-02	.4368-02	2.641	25.29	566.7
381	.60000	.75000-01	883.00	.2376	.1954	.2352	.4278-02	.3519-02	.4236-02	2.541	18.72	560.0
381	.60000	.10000-00	884.00	.1742	.1435	.1742	.3137-02	.2595-02	.3137-02	1.884	13.48	553.3
381	.60000	.25000-01	885.00	.8260-01	.6830-01	.8350-01	.1488-02	.1229-02	.1504-02	.9060	6.508	545.1
381	.60000	.50000	886.00	.6650-01	.5510-01	.6730-01	.1200-02	.9914-03	.1213-02	.7310	4.936	544.5
381	.60000	.75000	887.00	.5710-01	.4720-01	.5770-01	.1029-02	.8497-03	.1038-02	.6260	4.355	545.4
381	.60000	.90000	888.00	.6150-01	.5080-01	.6220-01	.1107-02	.9146-03	.1120-02	.6750	4.696	544.5
381	.60000	.95000	889.00	.5970-01	.4930-01	.6040-01	.1075-02	.8850-03	.1088-02	.6560	4.564	543.9
381	.60000	.00000	891.00	.1165	.9610-01	.1201	.2098-02	.1730-02	.2163-02	1.264	9.352	551.5
381	.60000	.25000	892.00	.1517	.1251	.1570	.2731-02	.2253-02	.2827-02	1.649	12.00	550.3
381	.60000	.50000	893.00	.1160	.9570-01	.1214	.2088-02	.1724-02	.2187-02	1.268	9.560	546.9
381	.60000	.75000	894.00	.8500-01	.7020-01	.8930-01	.1531-02	.1265-02	.1609-02	.9330	7.047	544.3
381	.60000	.90000	895.00	.3379	.2754	.2818	.6095-02	.4960-02	.5075-02	3.440	28.83	588.5
381	.60000	.95000	896.00	.1835	.1501	.1535	.3304-02	.2703-02	.2764-02	1.905	24.56	577.2
381	.70000	.00000	897.00	.2243	.1644	.2112	.4039-02	.3320-02	.3803-02	2.393	22.02	561.5
381	.70000	.25000-01	898.00	.1580	.1303	.1576	.2845-02	.2346-02	.2838-02	1.715	11.89	551.2
381	.70000	.50000-00	899.00	.1090	.9000-01	.1098	.1953-02	.1621-02	.1977-02	1.192	7.368	546.7
381	.70000	.75000	900.00	.8320-01	.6860-01	.8400-01	.1495-02	.1235-02	.1512-02	.9120	5.645	543.8
381	.70000	.90000	901.00	.9480-01	.7830-01	.9590-01	.1789-02	.1478-02	.1728-02	1.039	6.609	545.5
381	.70000	.95000	902.00	.9540-01	.8210-01	.1006	.1789-02	.1478-02	.1812-02	1.087	6.914	546.2
381	.70000	.00000	903.00	.1100	.9080-01	.1149	.1982-02	.1635-02	.2070-02	1.204	8.644	545.9
381	.75000	.00000	904.00	.2553	.2098	.2145	.4597-02	.3778-02	.3863-02	2.720	21.45	562.2
381	.75000	.25000-01	905.00	.3730	.3051	.3498	.6717-02	.5494-02	.6300-02	3.867	30.25	578.2
381	.75000	.50000-01	906.00	.2633	.2381	.2830	.5210-02	.4287-02	.5096-02	3.104	22.89	558.1
381	.75000	.75000	907.00	.1980	.1631	.1975	.3565-02	.2938-02	.3557-02	2.140	14.83	553.6
381	.75000	.90000	908.00	.1098	.9070-01	.1107	.1978-02	.1634-02	.1994-02	1.205	8.383	545.0
381	.75000	.95000	909.00	.7720-01	.6380-01	.7800-01	.1390-02	.1149-02	.1404-02	.8500	5.413	542.6

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
381	75000	40000	910.00	6460-01	5340-01	6530-01	1163-02	9617-03	1175-02	.7110	4.663	542.7
381	75000	60000	911.00	6090-01	5040-01	6170-01	1090-02	9076-03	1111-02	.6720	4.544	541.4
381	75000	80000	912.00	1965	1619	2025	3538-02	2915-02	3647-02	2.122	17.42	554.3
381	75000	90000	913.00	1150	9500-01	1201	2071-02	1711-02	2163-02	1.262	9.216	544.4
381	75000	95000	914.00	8030-01	6640-01	8430-01	1446-02	1195-02	1518-02	.8830	6.676	542.8
381	80000	00000	915.00	3436	2805	2869	6187-02	5031-02	5167-02	3.525	32.06	584.3
381	80000	20000	916.00	1128	9320-01	1138	2031-02	1678-02	2048-02	1.236	8.599	545.5
381	80000	40000	917.00	8080-01	6670-01	8150-01	1434-02	1202-02	1468-02	.8870	6.375	544.0
331	85000	90000	918.00	1350	1115	1411	2432-02	2007-02	2540-02	1.475	10.76	547.4
381	85000	00000	919.00	4202	3429	3508	7566-02	6176-02	6318-02	4.309	33.60	584.4
381	85000	20000	920.00	1416	1169	1425	2549-02	2105-02	2565-02	1.547	11.10	547.0
381	85000	40000	921.00	9770-01	8070-01	9850-01	1759-02	1453-02	1774-02	1.971	7.948	545.3
381	90000	00000	922.00	2513	2063	2109	4525-02	3715-02	3798-02	2.661	20.94	565.9
381	90000	10000+00	923.00	2079	1715	2081	3744-02	3088-02	3748-02	2.261	16.74	550.0
381	90000	30000	925.00	1156	9540-01	1164	2081-02	1719-02	2096-02	1.265	9.082	546.1
381	90000	50000	926.00	9460-01	7820-01	9550-01	1704-02	1408-02	1720-02	1.038	7.460	544.5
381	90000	80000	927.00	1494	1233	1537	2691-02	2220-02	2768-02	1.628	12.69	549.1
381	90000	90000	928.00	1199	9910-01	1327	2160-02	1784-02	2260-02	1.314	10.44	545.7
381	95000	00000	929.00	1574	1298	1295	2035-02	2338-02	2389-02	1.710	12.65	550.8
381	95000	50000-01	930.00	1890	1558	1853	3404-02	2895-02	3337-02	2.045	14.63	553.2
381	95000	10000+00	931.00	1739	1434	1731	3131-02	2583-02	3118-02	1.890	13.99	550.3
381	95000	20000	932.00	1279	1221	1489	2664-02	2199-02	2681-02	1.616	11.23	547.5
381	95000	30000	933.00	1277	1054	1287	2299-02	1899-02	2318-02	1.398	10.04	545.8
381	95000	50000	934.00	8970-01	7420-01	9070-01	1616-02	1335-02	1633-02	.9860	7.328	543.4
381	95000	70000	935.00	1476	1218	1504	2658-02	2193-02	2708-02	1.605	12.09	550.1
381	95000	80000	936.00	1476	1218	1527	2658-02	2194-02	2750-02	1.612	11.95	547.3
381	95000	90000	937.00	1013	8370-01	1058	1824-02	1507-02	1906-02	1.114	8.414	543.2

AEDC VKF V41B-57A (OH-498) COLLATION DECK
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LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = 40.00
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RM/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	I DEG. R	Q PSIA	V FT/SEC	R40 SLUGS /FT3
374	7.940	.9973	20.10	.0000	180.0	209.9	.2300-01	1285.	94.50	.9970	3781.	.2006-04
375	7.940	1.010	20.05	.0000	180.0	210.7	.2300-01	1278.	93.90	1.000	3770.	.2025-04
RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =									
374	.7605-07	.2447-01	0.0175									
375	.7561-07	.2449-01	.4044-01									

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(19TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
375	.30000	.00000	845.00	.3590-01	.2960-01	.3030-01	.8794-03	.7261-03	.7420-03	.5320	5.927	544.9
375	.30000	.50000-01	846.00	.1044	.8580-01	.1025	.2556-02	.2102-02	.2511-02	1.512	16.72	558.5
375	.30000	.10000+00	847.00	.1035	.8530-01	.1023	.2535-02	.2088-02	.2505-02	1.514	12.92	552.9
375	.30000	.20000	848.00	.8280-01	.6830-01	.8260-01	.2029-02	.1673-02	.2023-02	1.218	8.729	549.8
375	.30000	.40000	850.00	.5010-01	.4130-01	.5040-01	.1227-02	.1012-02	.1234-02	.7360	5.272	550.6
375	.30000	.50000	851.00	.3840-01	.3170-01	.3890-01	.9410-03	.7758-03	.9528-03	.5650	4.181	550.0
375	.30000	.60000	852.00	.3570-01	.2950-01	.3620-01	.8748-03	.7213-03	.8853-03	.5250	3.890	549.7
375	.30000	.70000	853.00	.3140-01	.2590-01	.3180-01	.7689-03	.6342-03	.7793-03	.4630	3.337	548.2
375	.30000	.80000	854.00	.3050-01	.2510-01	.3100-01	.7459-03	.6155-03	.7598-03	.4500	8.231	550.4
375	.30000	.90000	855.00	.7700-01	.6340-01	.8000-01	.1895-02	.1554-02	.1959-02	1.131	6.626	547.0
375	.30000	.95000	856.00	.6250-01	.5160-01	.6550-01	.1531-02	.1263-02	.1603-02	.9230	11.72	553.7
375	.35000	.00000	857.00	.9410-01	.7750-01	.7920-01	.2304-02	.1897-02	.1939-02	1.374	28.73	574.7
375	.40000	.00000	858.00	.2044	.1673	.1711	.5006-02	.4097-02	.4190-02	2.881	33.95	573.8
375	.40000	.50000-01	859.00	.3397	.2781	.3267	.8319-02	.6810-02	.8002-02	4.795	33.95	561.2
375	.40000	.10000+00	860.00	.1939	.1594	.1914	.4750-02	.3903-02	.4689-02	2.798	19.93	554.5
375	.40000	.20000	861.00	.9090-01	.7480-01	.9150-01	.2226-02	.1833-02	.2240-02	1.326	9.795	553.3
375	.40000	.30000	862.00	.6950-01	.5730-01	.7040-01	.1702-02	.1402-02	.1723-02	1.016	7.269	551.8
375	.40000	.40000	863.00	.5330-01	.4390-01	.5403-01	.1305-02	.1075-02	.1321-02	.7810	5.976	548.0
375	.40000	.50000	864.00	.4910-01	.4050-01	.4960-01	.1202-02	.9913-03	.1214-02	.7240	4.875	

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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OH-498 (AEDC W41B-57A) ORBITER LOWER WING

RUN NUMBER	27/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
375	40000	70000	865.00	5510-01	4550-01	5580-01	1350-02	1113-02	1366-02	8110	5.461	549.4
375	40000	75000	866.00	3120-01	2580-01	3170-01	7846-03	6309-03	7767-03	4610	3.420	547.1
375	40000	85000	867.00	1131	1131	1419	3370-02	2771-02	3475-02	1.993	14.94	558.8
375	40000	90000	868.00	1122	9240-01	1174	2748-02	2262-02	2875-02	1.634	13.92	555.7
375	40000	95000	869.00	9030-01	7440-01	9600-01	2211-02	1822-02	2326-02	1.323	10.67	552.0
375	50000	00000	871.00	5474	4425	4532	1341-01	1084-01	1110-01	7.226	57.66	611.2
375	50000	50000-01	872.00	2987	2447	2891	7315-02	5994-02	7079-02	4.242	32.16	570.3
375	50000	10000-00	873.00	1660	1365	1652	4064-02	3344-02	4046-02	2.411	17.79	557.0
375	50000	20000	874.00	1187	9770-01	1197	2907-02	2394-02	2931-02	1.733	12.39	554.1
375	50000	30000	875.00	1049	8640-01	1060	2570-02	2116-02	2597-02	1.532	10.96	553.8
375	50000	40000	876.00	9280-01	7650-01	9390-01	2273-02	1872-02	2299-02	1.358	9.714	552.9
375	50000	50000	877.00	7170-01	5910-01	7260-01	1756-02	1447-02	1778-02	1.051	7.286	551.9
375	50000	60000	878.00	1196	9840-01	1213	2930-02	2411-02	2971-02	1.739	13.51	556.5
375	50000	70000	879.00	5368	4312	4418	1315-01	1056-01	1082-01	6.859	55.27	628.4
375	60000	00000	880.00	4252	3429	3513	1041-01	8338-02	8603-02	5.546	48.63	617.7
375	60000	25000-01	881.00	4726	3943	4449	1157-01	9413-02	1090-01	6.441	48.27	593.7
375	60000	50000-01	882.00	2581	2111	2505	6322-02	5169-02	6136-02	3.623	34.51	577.1
375	60000	75000-01	883.00	2515	2061	2489	6159-02	5048-02	6097-02	3.578	26.24	569.3
375	60000	10000-00	884.00	1898	1560	1897	4647-02	3821-02	4646-02	2.746	19.59	559.3
375	60000	20000	885.00	9810-01	8090-01	9910-01	2402-02	1981-02	2427-02	1.443	10.34	549.5
375	60000	30000	886.00	6910-01	5700-01	6860-01	1693-02	1396-02	1710-02	1.018	6.854	543.9
375	60000	40000	887.00	5860-01	4830-01	5910-01	1406-02	1159-02	1423-02	8440	5.975	549.9
375	60000	50000	888.00	5710-01	4730-01	5810-01	1406-02	1159-02	1423-02	8440	5.863	549.5
375	60000	60000	889.00	5520-01	4550-01	5560-01	1351-02	1114-02	1368-02	8120	5.641	548.8
375	60000	80000	891.00	1362	1119	1405	3335-02	2740-02	3440-02	1.931	14.43	562.2
375	60000	85000	892.00	1496	1230	1549	3663-02	3012-02	3793-02	2.166	15.70	559.0
375	60000	90000	893.00	1130	9300-01	1164	2766-02	2278-02	2899-02	1.651	12.41	553.5
375	60000	95000	894.00	6270-01	6820-01	8590-01	2824-02	1699-02	2129-02	1.217	9.171	548.8
375	65000	00000	895.00	3493	2631	2898	6933-02	6933-02	7098-02	4.673	38.86	604.0
375	70000	00000	896.00	1816	1479	1513	4448-02	3622-02	3706-02	2.490	28.99	590.3
375	70000	25000-01	897.00	2227	1825	2095	5454-02	4470-02	5130-02	3.164	28.99	570.0
375	70000	10000-00	898.00	1553	1278	1550	3604-02	3130-02	3753-02	2.259	15.63	556.2
375	70000	20000	899.00	1113	9180-01	1121	2725-02	2247-02	2745-02	1.637	10.10	549.7
375	70000	30000	900.00	6070-01	6650-01	8160-01	1976-02	1630-02	1999-02	1.190	7.347	548.1
375	70000	40000	901.00	8230-01	6780-01	8230-01	2015-02	1662-02	2038-02	1.212	7.693	548.8
375	70000	50000	902.00	1158	9540-01	1173	2837-02	2337-02	2872-02	1.696	10.75	552.4
375	70000	60000	903.00	1090	8980-01	1140	2669-02	2199-02	2791-02	1.597	11.43	552.0
375	70000	70000	904.00	2703	2213	2664	6620-02	5421-02	5541-02	3.822	29.98	572.8
375	75000	00000	905.00	3766	3065	3526	9224-02	7505-02	8634-02	5.147	39.98	592.2
375	75000	25000-01	906.00	2845	2334	2781	6967-02	5717-02	6812-02	4.072	29.91	565.7
375	75000	50000	907.00	1965	1616	1960	4811-02	3957-02	4800-02	2.849	19.69	558.1
375	75000	10000-00	908.00	9710-01	8010-01	9790-01	2379-02	1962-02	2398-02	1.430	9.928	549.2
375	75000	20000	909.00	7620-01	6290-01	7700-01	1867-02	1541-02	1885-02	1.127	7.168	546.3

(RVIL35)

AEDC VKF V418-57A (OH-498) COLLATION DECK

OH-498 (AEDC V418-57A) ORBITER LOWER WING

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19T0 BTU/ R F12SEC	H1T0 BTU/ R F12SEC	H1TAM BTU/ R F12SEC	ODOT BTU/ R F12SEC	DTMOT DEG. R /SEC	TW DEG. R
375	75000	.40000	910.00	.6930-01	.5710-01	.7000-01	.1696-02	.1400-02	.1714-02	1.022	6.684	547.8
375	75000	.60000	911.00	.7170-01	.5920-01	.7260-01	.1756-02	.1449-02	.1777-02	1.060	7.144	546.7
375	75000	.80000	912.00	.1910	.1569	.1970	.4679-02	.3843-02	.4824-02	2.749	22.47	562.7
375	75000	.50000	913.00	.1202	.9910-01	.1256	.2943-02	.2426-02	.3077-02	1.764	12.84	550.9
375	75000	.95000	914.00	.8080-01	.6660-01	.8430-01	.1979-02	.1632-02	.2078-02	1.191	8.978	548.2
375	80000	.00000	915.00	.3497	.2837	.2975	.8564-02	.6948-02	.7113-02	4.707	42.48	600.5
375	80000	.20000	916.00	.1263	.1041	.1274	.3094-02	.2550-02	.3120-02	1.855	12.87	550.6
375	80000	.40000	917.00	.8320-01	.6870-01	.8430-01	.2038-02	.1682-02	.2057-02	1.228	8.807	555.2
375	80000	.60000	918.00	.1724	.1419	.1932	.4222-02	.3476-02	.4413-02	2.512	18.25	601.0
375	85000	.00000	919.00	.4155	.3371	.3451	.1018-01	.8255-02	.8451-02	5.589	43.22	551.8
375	85000	.20000	920.00	.1314	.1083	.1332	.3218-02	.2652-02	.3230-02	1.926	13.78	549.0
375	85000	.40000	921.00	.9770-01	.8060-01	.9850-01	.2392-02	.1973-02	.2412-02	1.438	10.65	576.9
375	90000	.00000	922.00	.2515	.2056	.2133	.6159-02	.5036-02	.5152-02	3.531	27.63	555.3
375	90000	.10000+00	923.00	.2019	.1662	.2020	.4944-02	.4070-02	.4948-02	2.941	21.71	549.7
375	90000	.30000	925.00	.1245	.1027	.1254	.3050-02	.2515-02	.3072-02	1.832	13.13	548.1
375	90000	.50000	926.00	.9330-01	.7700-01	.9420-01	.2285-02	.1885-02	.2355-02	1.376	9.865	555.7
375	90000	.80000	927.00	.1508	.1241	.1532	.3693-02	.3039-02	.3800-02	2.195	17.06	553.3
375	90000	.50000	928.00	.1311	.1080	.1372	.3210-02	.2644-02	.3360-02	1.916	15.17	557.0
375	95000	.00000	929.00	.1540	.1267	.1295	.3772-02	.3103-02	.3172-02	2.238	16.51	558.7
375	95000	.50000-01	930.00	.1848	.1520	.1811	.4526-02	.3722-02	.4436-02	2.677	19.10	554.8
375	95000	.10000+00	931.00	.1695	.1395	.1637	.4150-02	.3417-02	.4132-02	2.471	18.25	552.8
375	95000	.20000	932.00	.1484	.1223	.1434	.3635-02	.2935-02	.3658-02	2.172	15.05	550.8
375	95000	.30000	933.00	.1289	.1062	.1300	.3157-02	.2602-02	.3183-02	1.892	13.55	547.1
375	95000	.50000	934.00	.8980-01	.7410-01	.9070-01	.2200-02	.1815-02	.2222-02	1.326	9.835	558.4
375	95000	.70000	935.00	.1542	.1268	.1572	.3777-02	.3105-02	.3849-02	2.235	16.76	554.0
375	95000	.80000	936.00	.1471	.1211	.1522	.3602-02	.2966-02	.3728-02	2.148	15.87	554.0
375	95000	.90000	937.00	.1001	.8250-01	.1046	.2451-02	.2022-02	.2562-02	1.475	11.12	548.1

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LOWER WING

04-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L36)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = 40.00
BDFLAP = 0.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
382	7.900	.5368	29.99	.0000	180.0	111.2	1200-01	95.20	.5400	3776.	.1089-04
383	7.900	.5237	30.03	.0000	180.0	108.5	1200-01	95.20	.5270	3776.	.1063-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
382	.7662-07	.1800-01	0.0175
383	.7663-07	.1778-01	.5585-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(ISO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	ODCT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
383	.30000	.00000	845.00	.3920-01	.3250-01	.3400-01	.6979-03	.5771-03	.6050-03	.4780	4.772	541.7
383	.30000	.50000-01	846.00	.1321	.1088	.1242	.2349-02	.1935-02	.2208-02	1.411	15.64	554.1
383	.30000	.10000-00	847.00	.1235	.1019	.1168	.2197-02	.1812-02	.2077-02	1.329	11.35	549.9
383	.30000	.20000	848.00	.1031	.8510-01	.9850-01	.1834-02	.1514-02	.1751-02	1.112	7.975	548.4
383	.30000	.40000	850.00	.6560-01	.5410-01	.6310-01	.1166-02	.9626-03	.1123-02	.7070	5.068	548.8
383	.30000	.50000	851.00	.4760-01	.3930-01	.4620-01	.8465-03	.6986-03	.8211-03	.5130	3.801	548.8
383	.30000	.60000	852.00	.4830-01	.3980-01	.4680-01	.8581-03	.7083-03	.8320-03	.5210	3.860	548.0
383	.30000	.70000	853.00	.4260-01	.3520-01	.4140-01	.7583-03	.6262-03	.7354-03	.4610	3.310	546.6
383	.30000	.80000	854.00	.3200-01	.2650-01	.3130-01	.5697-03	.4707-03	.5563-03	.3470	2.579	545.0
383	.30000	.90000	855.00	.9010-01	.7430-01	.9000-01	.1602-02	.1322-02	.1600-02	.9710	7.075	548.8
383	.30000	.95000	856.00	.7460-01	.6160-01	.7520-01	.1327-02	.1096-02	.1338-02	.8000	5.813	544.9
363	.35000	.00000	857.00	.9320-01	.8110-01	.8500-01	.1747-02	.1442-02	.1512-02	1.059	9.056	548.5
383	.40000	.00000	858.00	.1862	.1532	.1603	.3312-02	.2724-02	.2860-02	1.971	19.80	559.9
383	.40000	.50000-01	859.00	.3489	.2868	.3214	.6204-02	.5100-02	.5715-02	3.676	26.18	562.3
383	.40000	.10000-00	860.00	.2218	.1827	.2095	.3943-02	.3248-02	.3725-02	2.364	16.89	555.4
383	.40000	.20000	861.00	.1261	.1040	.1215	.2242-02	.1849-02	.2160-02	1.353	10.01	551.6
383	.40000	.30000	862.00	.1008	.8310-01	.9770-01	.1792-02	.1478-02	.1737-02	1.082	7.747	551.1
383	.40000	.40000	863.00	.8170-01	.6740-01	.7920-01	.1452-02	.1198-02	.1409-02	.8790	6.736	549.4
383	.40000	.50000	864.00	.8380-01	.6920-01	.8110-01	.1490-02	.1231-02	.1442-02	.9070	6.117	546.2

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(RVIL36)

OH-498 (AEDC V418-57A) ORBITER LOWER WING

PJN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO) BTU/ R F12SEC	H1TO) BTU/ R F12SEC	H1TAW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTMOT DEG. R /SEC	TW DEG. R
383	40000	70000	865.00	7910-01	6530-01	7660-01	1406-02	1161-02	1363-02	8540	5.755	547.4
383	40000	75000	866.00	4280-01	3530-01	4160-01	7603-03	6281-03	7402-03	4630	3.440	545.2
383	40000	85000	867.00	1503	1239	1486	2672-02	2202-02	2643-02	1.605	12.06	554.2
383	40000	90000	868.00	1321	1089	1329	2349-02	1937-02	2364-02	1.416	12.08	552.1
383	40000	95000	869.00	1092	9010-01	1107	1943-02	1603-02	1969-02	1.176	9.501	549.5
383	50000	100000	871.00	5508	4496	4727	9795-02	7995-02	8406-02	5.581	45.11	585.1
383	50000	100000-01	872.00	3503	2880	3245	6230-02	5121-02	5771-02	3.691	28.09	562.4
383	50000	100000-00	873.00	2064	1702	1967	3671-02	3026-02	3497-02	2.211	16.35	552.5
383	50000	20000	874.00	1368	1129	1321	2423-02	2007-02	2349-02	1.473	10.56	549.2
383	50000	30000	875.00	1121	9250-01	1085	1993-02	1645-02	1929-02	1.209	8.665	548.5
383	50000	40000	876.00	9340-01	7710-01	9050-01	1661-02	1371-02	1609-02	1.007	7.220	548.6
383	50000	50000	877.00	7000-01	5780-01	6790-01	1245-02	1029-02	1208-02	1.780	5.269	546.5
383	50000	60000	878.00	1296	1069	1253	2305-02	1901-02	2240-02	1.391	10.84	551.3
383	50000	70000	879.00	7584	5950	6274	1313-01	1058-01	1116-01	6.988	57.59	622.7
383	50000	80000	880.00	4593	3738	3333	8167-02	6647-02	6994-02	4.584	41.51	593.6
383	50000	90000	881.00	5120	4188	4622	9105-02	7448-02	8219-02	5.252	39.67	578.0
383	60000	100000-01	882.00	2778	2281	2580	4940-02	4055-02	4588-02	2.907	27.84	566.4
383	60000	75000-01	883.00	2777	2284	2630	4339-02	4062-02	4676-02	2.934	21.60	560.8
383	60000	100000-00	884.00	2173	1791	2080	3664-02	3185-02	3698-02	2.326	16.64	552.9
383	60000	20000	885.00	1462	1207	1415	2600-02	2146-02	2516-02	1.576	11.30	548.7
383	60000	30000	886.00	1337	1103	1294	2377-02	1961-02	2300-02	1.440	9.699	548.9
383	60000	40000	887.00	1255	1047	1227	2256-02	1862-02	2181-02	1.367	9.492	549.1
383	60000	50000	888.00	1082	8940-01	1050	1925-02	1589-02	1866-02	1.170	8.131	547.1
383	60000	60000	889.00	9200-01	7600-01	9320-01	1636-02	1351-02	1587-02	9950	6.921	546.4
383	60000	70000	891.00	1661	1368	1643	2954-02	2433-02	2922-02	1.769	13.05	556.2
383	60000	80000	892.00	1856	1529	1845	3300-02	2719-02	3280-02	1.983	14.41	553.9
383	60000	90000	893.00	1574	1298	1597	2798-02	2308-02	2822-02	1.691	12.73	550.7
383	60000	95000	894.00	1217	1005	1234	2165-02	1787-02	2194-02	1.315	9.914	547.4
383	65000	100000	895.00	3362	2748	2389	5979-02	4887-02	5137-02	3.433	28.88	580.7
383	70000	100000-01	896.00	1637	1344	1411	2912-02	2350-02	2509-02	1.710	22.14	567.6
383	70000	25000-01	897.00	2329	1916	2102	4142-02	3407-02	3739-02	2.455	22.70	559.7
383	70000	100000-00	898.00	2193	1808	2094	3901-02	3215-02	3724-02	2.348	16.27	552.9
383	70000	20000	899.00	1810	1493	1745	3218-02	2655-02	3104-02	1.948	12.02	549.6
383	70000	30000	900.00	1445	1193	1401	2570-02	2122-02	2491-02	1.562	9.651	547.0
383	70000	40000	901.00	1221	1008	1183	2170-02	1793-02	2104-02	1.321	8.401	546.1
383	70000	50000	902.00	1131	9340-01	1097	2011-02	1661-02	1951-02	1.223	7.774	546.7
383	70000	60000	903.00	1546	1275	1556	2749-02	2267-02	2756-02	1.661	11.90	550.6
383	75000	100000	904.00	2465	2030	2130	4394-02	3610-02	3788-02	2.627	20.78	555.7
383	75000	25000-01	905.00	3552	2911	3194	6317-02	5177-02	5679-02	3.679	28.86	572.4
383	75000	50000-01	906.00	3181	2619	2377	5657-02	4657-02	5294-02	3.378	24.91	557.9
383	75000	100000-00	907.00	2432	2004	2322	4324-02	3564-02	4129-02	2.600	18.02	553.6
383	75000	20000	908.00	1446	1193	1395	2571-02	2122-02	2481-02	1.559	10.83	548.4
383	75000	30000	909.00	1353	1118	1309	2406-02	1987-02	2328-02	1.455	9.326	545.4

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L36)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19T0) BTU/ R FT2SEC	H1T0) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
383	.75000	.40000	910.00	.1203	.9930-01	.1164	.2139-02	.1787-02	.2070-02	1.303	8.530	545.7
383	.75000	.60000	911.00	.1082	.8940-01	.1350	.1925-02	.1591-02	.1857-02	1.176	7.939	543.9
383	.75000	.80000	912.00	.2022	.1666	.1999	.3595-02	.2962-02	.3554-02	2.158	17.71	554.6
383	.75000	.90000	913.00	.1538	.1269	.1547	.2735-02	.2257-02	.2750-02	1.660	12.10	548.0
383	.75000	.95000	914.00	.1046	.8640-01	.1359	.1860-02	.1547-02	.1883-02	1.133	8.552	545.7
383	.80000	.00000	915.00	.3212	.2629	.2762	.5711-02	.4674-02	.4912-02	3.304	30.17	576.4
383	.80000	.20000	916.00	.1577	.1302	.1523	.2804-02	.2316-02	.2708-02	1.707	11.87	546.2
383	.80000	.40000	917.00	.1136	.9380-01	.1398	.2020-02	.1669-02	.1953-02	1.231	8.843	545.3
383	.80000	.60000	918.00	.1526	.1260	.1534	.2714-02	.2240-02	.2728-02	1.646	11.99	548.6
383	.85000	.00000	919.00	.3988	.3264	.3430	.7091-02	.5804-02	.6059-02	4.104	32.13	576.1
383	.85000	.20000	920.00	.1555	.1284	.1498	.2765-02	.2283-02	.2654-02	1.690	12.06	547.0
383	.85000	.40000	921.00	.1164	.9620-01	.1124	.2070-02	.1710-02	.1999-02	1.261	9.360	545.5
383	.90000	.00000	922.00	.2331	.1918	.2013	.4145-02	.3410-02	.3579-02	2.468	19.48	559.5
383	.90000	.10000-00	923.00	.2371	.1956	.2272	.4216-02	.3477-02	.4040-02	2.548	18.86	550.5
383	.90000	.30000	925.00	.1430	.1181	.1380	.2544-02	.2100-02	.2454-02	1.546	11.09	547.2
383	.90000	.50000	926.00	.1011	.8350-01	.9760-01	.1798-02	.1486-02	.1738-02	1.098	7.891	544.0
383	.90000	.80000	927.00	.1883	.1552	.1859	.3349-02	.2759-02	.3306-02	2.010	15.63	554.6
383	.90000	.90000	928.00	.1407	.1161	.1417	.2502-02	.2064-02	.2520-02	1.515	12.02	549.2
383	.95000	.00000	929.00	.1314	.1085	.1138	.2335-02	.1930-02	.2024-02	1.425	10.57	545.1
383	.95000	.50000-01	930.00	.1844	.1521	.1730	.3278-02	.2705-02	.3077-02	1.984	14.22	549.8
383	.95000	.10000-00	931.00	.1821	.1502	.1735	.3238-02	.2671-02	.3086-02	1.959	14.50	550.0
383	.95000	.20000	932.00	.1868	.1541	.1800	.3321-02	.2741-02	.3200-02	2.011	13.97	549.3
383	.95000	.30000	933.00	.1738	.1434	.1578	.3090-02	.2550-02	.2984-02	1.873	13.43	548.8
383	.95000	.50000	934.00	.1183	.9770-01	.1145	.2103-02	.1737-02	.2036-02	1.282	9.510	545.5
383	.95000	.70000	935.00	.1665	.1373	.1526	.2961-02	.2441-02	.2891-02	1.782	13.40	553.0
383	.95000	.80000	936.00	.1810	.1493	.1759	.3219-02	.2655-02	.3199-02	1.945	14.39	550.8
383	.95000	.90000	937.00	.1222	.1009	.1229	.2173-02	.1795-02	.2186-02	1.323	9.980	546.0

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 15.00 SP08RK = 40.00
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
376	7.940	1.016	30.07	.0000	180.0	210.7	.2300-01	1273.	93.60	1.000	3763.	.2033-04
377	7.940	1.019	30.07	.0000	180.0	210.8	.2300-01	1271.	93.40	1.001	3760.	.2037-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R F12SEC	ST FR R =
376	.7532-07	.2447-01	0.0175
377	.7520-07	.2447-01	.4034-01
			.4029-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R F12SEC	H(T0) BTU/ R F12SEC	H(TAN) BTU/ R F12SEC	QDOT BTU/ R F12SEC	DT/DT DEG. R /SEC	TH DEG. R
377	.30000	.00000	845.00	.3950-01	.3260-01	.3420-01	.9655-03	.7975-03	.8365-03	.5790	6.454	544.4
377	.30000	.50000-01	846.00	.1286	.1056	.1207	.3146-02	.2584-02	.2954-02	1.836	20.29	560.4
377	.30000	.10000+00	847.00	.1057	.8653-01	.9990-01	.2588-02	.2127-02	.2444-02	1.519	12.93	556.9
377	.30000	.20000	848.00	.1028	.8460-01	.9810-01	.2516-02	.2070-02	.2400-02	1.486	10.63	553.3
377	.30000	.40000	850.00	.6030-01	.4950-01	.5800-01	.1476-02	.1214-02	.1419-02	.8690	6.207	555.4
377	.30000	.50000	851.00	.4720-01	.3880-01	.4580-01	.1155-02	.9503-03	.1120-02	.6800	5.024	555.1
377	.30000	.60000	852.00	.4360-01	.3530-01	.4220-01	.1066-02	.8771-03	.1033-02	.6290	4.645	554.2
377	.30000	.70000	853.00	.3670-01	.3020-01	.3560-01	.8972-03	.7383-03	.8706-03	.5300	3.792	553.1
377	.30000	.80000	854.00	.3560-01	.2930-01	.3470-01	.8709-03	.7169-03	.8499-03	.5150	3.812	552.0
377	.30000	.90000	855.00	.1933	.9490-01	.103	.2527-02	.2078-02	.2523-02	1.484	10.77	556.8
377	.30000	.95000	856.00	.8350-01	.6880-01	.8420-01	.2044-02	.1683-02	.2061-02	1.212	8.676	551.1
377	.35000	.00000	857.00	.1000+00	.8230-01	.8640-01	.2447-02	.2014-02	.2114-02	1.444	12.31	553.9
377	.40000	.00000	858.00	.1900	.1555	.1635	.4650-02	.3806-02	.4000-02	2.668	26.67	570.1
377	.40000	.50000-01	859.00	.3527	.2883	.3240	.8631-02	.7055-02	.7930-02	4.911	34.75	575.0
377	.40000	.10000+00	860.00	.2205	.1808	.2080	.5397-02	.4424-02	.5089-02	3.122	22.19	565.5
377	.40000	.20000	861.00	.1197	.9830-01	.1152	.2929-02	.2406-02	.2815-02	1.711	12.61	559.7
377	.40000	.30000	862.00	.9610-01	.7900-01	.9310-01	.2353-02	.1933-02	.2279-02	1.378	9.634	558.2
377	.40000	.40000	863.00	.7720-01	.6340-01	.7480-01	.1889-02	.1553-02	.1831-02	1.109	8.467	556.7
377	.40000	.60000	864.00	.7980-01	.6570-01	.7720-01	.1953-02	.1607-02	.1888-02	1.152	7.738	554.2

AEDC VVVF V418-57A (OH-498) COLLATION DECK

DATE 25 AUG 76

OH-498 (AEDC V418-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(ISTO) BTU/ R FT2SEC	H(OTO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
377	40000	.70000	865.00	.8640-01	.7110-01	.8370-01	.2114-02	.1739-02	.2048-02	1.245	8.360	555.0
377	40000	.75000	866.00	.4960-01	.4090-01	.4830-01	.1215-02	.9998-03	.1182-02	.7180	5.311	552.6
377	40000	.85000	867.00	.2130	.1745	.2105	.5213-02	.4271-02	.5153-02	3.003	22.41	567.8
377	40000	.90000	868.00	.1658	.1360	.1659	.4059-02	.3329-02	.4084-02	2.355	19.98	563.6
377	40000	.95000	869.00	.1462	.1200	.1482	.3577-02	.2937-02	.3626-02	2.088	16.78	560.3
377	50000	.00000	871.00	.5540	.4482	.4723	.1356-01	.1097-01	.1156-01	7.302	58.44	605.4
377	50000	.50000-01	872.00	.3510	.2869	.3243	.8591-02	.7021-02	.7938-02	4.883	36.92	575.6
377	50000	.10000+00	873.00	.2009	.1649	.1912	.4917-02	.4035-02	.4678-02	2.861	21.05	562.1
377	50000	.30000	874.00	.1377	.1131	.1328	.3369-02	.2768-02	.3250-02	1.974	14.08	558.2
377	50000	.50000	875.00	.1155	.9500-01	.1117	.2827-02	.2324-02	.2734-02	1.659	11.85	557.0
377	50000	.40000	876.00	.9690-01	.7970-01	.9380-01	.2372-02	.1951-02	.2297-02	1.395	9.961	556.1
377	50000	.50000	877.00	.6920-01	.5690-01	.6710-01	.1693-02	.1393-02	.1641-02	3.980	6.913	554.5
377	50000	.90000	878.00	.2729	.2234	.2648	.6680-02	.5466-02	.6481-02	3.824	29.49	571.4
377	55000	.00000	879.00	.7177	.5700	.6031	.1756-01	.1395-01	.1476-01	8.616	69.97	653.4
377	60000	.00000	880.00	.4546	.3666	.3865	.1113-01	.8971-02	.9460-02	5.887	52.76	614.8
377	60000	.25000-01	881.00	.4962	.4028	.4460	.1214-01	.9858-02	.1092-01	6.659	49.86	595.6
377	60000	.50000-01	882.00	.2771	.2261	.2567	.6781-02	.5534-02	.6281-02	3.823	36.37	580.1
377	60000	.75000-01	883.00	.2888	.2363	.2730	.7068-02	.5783-02	.6681-02	4.043	29.60	572.0
377	60000	.10000+00	884.00	.2091	.1716	.1999	.5117-02	.4201-02	.4891-02	2.980	21.23	561.5
377	60000	.20000	885.00	.1451	.1193	.1403	.3551-02	.2920-02	.3434-02	2.088	14.91	556.1
377	60000	.30000	886.00	.1371	.1126	.1325	.3354-02	.2757-02	.3243-02	1.968	13.20	557.3
377	60000	.40000	887.00	.1209	.9930-01	.1168	.2959-02	.2431-02	.2858-02	1.732	11.97	558.4
377	60000	.50000	888.00	.1063	.8740-01	.1030	.2601-02	.2139-02	.2520-02	1.529	10.58	556.1
377	60000	.60000	889.00	.9150-01	.7520-01	.8860-01	.2238-02	.1841-02	.2169-02	1.320	9.145	554.1
377	60000	.80000	891.00	.1836	.1504	.1815	.4492-02	.3680-02	.4441-02	2.588	18.99	568.0
377	60000	.85000	892.00	.1902	.1560	.1850	.4654-02	.3817-02	.4624-02	2.698	19.51	564.2
377	60000	.90000	893.00	.1565	.1286	.1579	.3833-02	.3148-02	.3865-02	2.240	16.78	559.7
377	65000	.00000	894.00	.1219	.1002	.1236	.2984-02	.2453-02	.3024-02	1.753	13.16	556.4
377	65000	.3331	895.00	.3331	.2702	.2845	.8151-02	.6612-02	.6963-02	4.450	37.12	597.9
377	70000	.00000	896.00	.1641	.1340	.1409	.4017-02	.3278-02	.3448-02	2.265	29.15	580.1
377	70000	.25000-01	897.00	.2342	.1917	.2108	.5732-02	.4692-02	.5160-02	3.290	30.14	570.0
377	70000	.10000+00	898.00	.2194	.1801	.2093	.5370-02	.4408-02	.5121-02	3.130	21.60	561.1
377	70000	.20000	899.00	.1798	.1478	.1733	.4400-02	.3617-02	.4240-02	2.583	15.88	557.0
377	70000	.30000	900.00	.1436	.1182	.1391	.3515-02	.2892-02	.3404-02	2.074	12.77	553.9
377	70000	.40000	901.00	.1251	.1030	.1212	.3062-02	.2520-02	.2865-02	1.808	11.46	553.4
377	70000	.50000	902.00	.1189	.9780-01	.1153	.2911-02	.2394-02	.2821-02	1.714	10.85	555.1
377	70000	.60000	903.00	.1603	.1316	.1613	.3922-02	.3219-02	.3947-02	2.283	16.26	561.9
377	75000	.00000	904.00	.1948	.1598	.1678	.4768-02	.3910-02	.4107-02	2.761	21.74	564.8
377	75000	.25000-01	905.00	.3461	.2819	.3101	.8471-02	.6699-02	.7588-02	4.726	36.82	586.0
377	75000	.50000-01	906.00	.2991	.2452	.2794	.7321-02	.6000-02	.6839-02	4.225	31.02	566.8
377	75000	.10000+00	907.00	.3324	.1908	.2217	.5689-02	.4670-02	.5425-02	3.315	22.88	561.3
377	75000	.20000	908.00	.1451	.1193	.1399	.3550-02	.2920-02	.3424-02	2.090	14.47	555.1
377	75000	.30000	909.00	.1329	.1095	.1285	.3254-02	.2679-02	.3146-02	1.928	12.22	551.5

(RVIL36)

AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	21/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAW)	H(10) BTU/R F12SEC	H(10) BTU/R F12SEC	H(TAW) BTU/R F12SEC	QDOT BTU/R F12SEC	DTWDT DEG. R /SEC	TH DEG. R
377	.75000	.40000	910.00	.1217	.1002	.1177	.2979-02	.2432-02	.2881-02	1.762	11.49	552.5
377	.75000	.60000	911.00	.1126	.9270-01	.1091	.2755-02	.2269-02	.2671-02	1.133	10.99	551.2
377	.75000	.80000	912.00	.1996	.1634	.1972	.4884-02	.2998-02	.4826-02	2.202	22.86	569.4
377	.75000	.90000	913.00	.1537	.1263	.1546	.3761-02	.3090-02	.3783-02	2.202	15.97	558.3
377	.75000	.95000	914.00	.1036	.8520-01	.1049	.2536-02	.2086-02	.2567-02	1.495	11.23	554.3
377	.80000	.00000	915.00	.3178	.2582	.2719	.7778-02	.6320-02	.6653-02	4.285	38.81	593.1
377	.80000	.20000	916.00	.1471	.1211	.1420	.3300-02	.2964-02	.3474-02	2.130	14.77	552.2
377	.80000	.40000	917.00	.1129	.9290-01	.1031	.2763-02	.2275-02	.2670-02	1.635	11.70	552.1
377	.80000	.60000	918.00	.1525	.1253	.1533	.3732-02	.3066-02	.3751-02	2.185	15.84	558.5
377	.85000	.00000	919.00	.3844	.3123	.3298	.9408-02	.7644-02	.8047-02	5.182	40.23	593.1
377	.85000	.20000	920.00	.1521	.1251	.1464	.3237-02	.2662-02	.3123-02	2.195	15.70	554.0
377	.85000	.40000	921.00	.1323	.1088	.1276	.3237-02	.2662-02	.3123-02	1.905	14.07	555.2
377	.90000	.00000	922.00	.2270	.1858	.1953	.5555-02	.4548-02	.4779-02	3.187	25.03	570.2
377	.90000	.10000+00	923.00	.2267	.1863	.2170	.5449-02	.4559-02	.4779-02	3.248	23.94	558.6
377	.90000	.30000	925.00	.1513	.1245	.1459	.3703-02	.3047-02	.3569-02	2.185	15.62	554.0
377	.90000	.50000	926.00	.1453	.1193	.1433	.3555-02	.2924-02	.3435-02	2.094	14.97	555.0
377	.90000	.70000	927.00	.3205	.2619	.3161	.7843-02	.6409-02	.7735-02	4.453	34.26	576.1
377	.90000	.90000	928.00	.2182	.1789	.2138	.5340-02	.4378-02	.5380-02	3.088	24.30	565.7
377	.95000	.00000	929.00	.1297	.1068	.1121	.3174-02	.2614-02	.2744-02	1.884	13.95	550.5
377	.95000	.50000-01	930.00	.1851	.1522	.1735	.4529-02	.3725-02	.4246-02	2.667	19.06	555.0
377	.95000	.10000+00	931.00	.1820	.1497	.1733	.4454-02	.3663-02	.4240-02	2.621	19.35	555.5
377	.95000	.20000	932.00	.1909	.1570	.1838	.4672-02	.3843-02	.4498-02	2.753	19.06	554.7
377	.95000	.30000	933.00	.1667	.1371	.1608	.4079-02	.3356-02	.3936-02	2.405	17.20	554.3
377	.95000	.50000	934.00	.1251	.1030	.1210	.3061-02	.2520-02	.2961-02	1.812	13.40	551.9
377	.95000	.70000	935.00	.3226	.2636	.3145	.7895-02	.6450-02	.7697-02	4.481	33.30	576.3
377	.95000	.90000	936.00	.3195	.2615	.3173	.7819-02	.6400-02	.7765-02	4.483	32.85	570.7
377	.95000	.90000	937.00	.2290	.1879	.2304	.5604-02	.4599-02	.5639-02	3.259	24.39	562.3

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-498) COLLATION DECK

DATE 25 AUG 76

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = 40.00
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
384	7.900	.5309	40.06	.0000	180.0	110.0	.1200-01	1283.	95.20	.5340	3777.	.1077-04
385	7.900	.5353	39.99	.0000	180.0	111.1	.1200-01	1285.	95.30	.5390	3779.	.1087-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R	ST FR R =
384	.7664-07	.1791-01	0.0175
385	.7672-07	.1800-01	.5547-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(1GTO) BTU/ R FT2SEC	H(1G) BTU/ R FT2SEC	H(1TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
385	.30000	.00000	845.00	.4060-01	.3360-01	.3643-01	.7306-03	.6042-03	.6552-03	.4490	5.003	542.1
385	.30000	.50000-01	846.00	.1484	.1223	.1333	.2670-02	.2201-02	.2408-02	1.607	17.81	554.4
385	.30000	.10000-00	847.00	.1451	.1197	.1316	.2612-02	.2154-02	.2368-02	1.578	13.47	552.2
385	.30000	.20000	848.00	.1268	.1046	.1163	.2281-02	.1883-02	.2087-02	1.384	9.914	549.9
385	.30000	.40000	850.00	.8210-01	.6770-01	.7573-01	.1478-02	.1218-02	.1362-02	.6920	6.382	552.8
385	.30000	.50000	851.00	.6590-01	.5440-01	.6123-01	.1187-02	.9782-03	.1102-02	.7160	5.292	553.0
385	.30000	.60000	852.00	.6340-01	.5220-01	.5893-01	.1140-02	.9403-03	.1058-02	.6890	5.092	552.4
385	.30000	.70000	853.00	.5900-01	.4860-01	.5483-01	.1061-02	.8752-03	.9864-03	.6420	4.595	551.5
385	.30000	.80000	854.00	.4560-01	.3760-01	.4263-01	.8201-03	.6765-03	.7035-03	.4970	3.674	550.9
385	.30000	.90000	855.00	.1332	.1098	.1274	.2398-02	.1977-02	.2252-02	1.445	10.50	553.9
385	.30000	.95000	856.00	.1021	.8420-01	.9863-01	.1838-02	.1516-02	.1775-02	1.114	7.993	550.0
385	.35000	.00000	857.00	.1033	.8530-01	.9263-01	.1850-02	.1535-02	.1666-02	1.129	9.654	549.0
385	.40000	.00000	858.00	.1741	.1433	.1557	.3133-02	.2580-02	.2802-02	1.875	18.86	557.8
385	.40000	.50000-01	859.00	.3383	.2782	.2995	.6089-02	.5006-02	.5391-02	3.618	25.76	562.2
385	.40000	.10000-00	860.00	.2386	.1964	.2160	.4294-02	.3536-02	.3738-02	2.570	18.35	557.8
385	.40000	.20000	861.00	.1484	.1223	.1363	.2671-02	.2200-02	.2463-02	1.606	11.86	555.1
385	.40000	.30000	862.00	.1199	.9890-01	.1113	.2159-02	.1779-02	.2003-02	1.300	9.293	554.2
385	.40000	.40000	863.00	.9710-01	.8010-01	.9020-01	.1748-02	.1441-02	.1623-02	1.053	8.050	553.9
385	.40000	.50000	864.00	.8600-01	.7090-01	.7960-01	.1547-02	.1277-02	.1433-02	.9380	6.310	550.3

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AEDC WAF V418-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V418-57A) CRBITER LOWER WING

(RV1L37)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
385	.40000	.70000	865.00	.8540-01	.7040-01	.7930-01	.1538-02	.1268-02	.1427-02	.9290	6.243	552.3
385	.40000	.75000	866.00	.4500-01	.3720-01	.4200-01	.8106-03	.6688-03	.7554-03	.4910	3.635	550.5
385	.40000	.85000	867.00	.2382	.1959	.2253	.4287-02	.3526-02	.4056-02	2.551	19.10	551.3
385	.40000	.90000	868.00	.1989	.1637	.1916	.3580-02	.2947-02	.3448-02	2.141	18.22	558.1
385	.40000	.95000	869.00	.1731	.1425	.1650	.3115-02	.2555-02	.3024-02	1.866	15.02	557.3
385	.50000	.00000	871.00	.4902	.4014	.4370	.8822-02	.7224-02	.7865-02	5.124	41.62	575.5
385	.50000	.50000-01	872.00	.3503	.2880	.3116	.6305-02	.5183-02	.5609-02	3.742	28.48	562.8
385	.50000	.10000+00	873.00	.1143	.1766	.1958	.3857-02	.3178-02	.3521-02	2.321	17.14	554.5
385	.50000	.20000	874.00	.1502	.1239	.1369	.2704-02	.2230-02	.2500-02	1.634	11.69	552.2
385	.50000	.30000	875.00	.1145	.9450-01	.1061	.2061-02	.1700-02	.1910-02	1.247	8.928	551.4
385	.50000	.40000	876.00	.1001	.8250-01	.9250-01	.1801-02	.1485-02	.1670-02	1.088	7.784	552.3
385	.50000	.50000	877.00	.8740-01	.7210-01	.8120-01	.1573-02	.1297-02	.1461-02	.9510	6.593	551.9
385	.50000	.60000	878.00	.1842	.1516	.1712	.3315-02	.2728-02	.3081-02	1.981	15.37	558.7
385	.55000	.00000	879.00	.6374	.5167	.5649	.1147-01	.9300-02	.1017-01	6.311	52.43	606.2
385	.60000	.00000	880.00	.5795	.4705	.5140	.1043-01	.8469-02	.9252-02	7.076	53.19	587.6
385	.60000	.25000-01	881.00	.6914	.5639	.5995	.1244-01	.1015-01	.1079-01	5.784	52.17	587.6
385	.60000	.50000-01	882.00	.3776	.3092	.3360	.6796-02	.5566-02	.6248-02	3.951	37.68	575.0
385	.60000	.75000-01	883.00	.3826	.3140	.3468	.6886-02	.5652-02	.6241-02	4.052	29.73	558.0
385	.60000	.10000+00	884.00	.2912	.2397	.2668	.5241-02	.4315-02	.4802-02	3.135	22.37	558.2
385	.60000	.20000	885.00	.1834	.1512	.1699	.3300-02	.2721-02	.3058-02	1.993	14.26	552.3
385	.60000	.30000	886.00	.1599	.1318	.1481	.2877-02	.2373-02	.2666-02	1.737	11.68	552.6
385	.60000	.40000	887.00	.1441	.1188	.1333	.2593-02	.2138-02	.2400-02	1.566	10.85	552.5
385	.60000	.50000	888.00	.1243	.1025	.1154	.2237-02	.1845-02	.2077-02	1.353	9.387	551.4
385	.60000	.60000	889.00	.1091	.9000-01	.1013	.1963-02	.1620-02	.1823-02	1.190	8.255	550.3
385	.60000	.80000	891.00	.1846	.1518	.1746	.3322-02	.2732-02	.3143-02	1.976	14.55	561.3
385	.60000	.85000	892.00	.1956	.1610	.1859	.3520-02	.2897-02	.3347-02	2.104	15.26	558.4
385	.60000	.90000	893.00	.1743	.1436	.1683	.3138-02	.2585-02	.3030-02	1.836	14.16	555.2
385	.60000	.95000	894.00	.1459	.1203	.1416	.2625-02	.2165-02	.2549-02	1.587	11.94	551.9
385	.65000	.00000	895.00	.3662	.2996	.3263	.6591-02	.5392-02	.5872-02	3.805	32.04	579.0
385	.70000	.00000	896.00	.1548	.1272	.1383	.2785-02	.2290-02	.2469-02	1.653	21.46	562.8
385	.70000	.25000-01	897.00	.2443	.2010	.2126	.4396-02	.3617-02	.3826-02	2.622	24.14	559.9
385	.70000	.10000+00	899.00	.2602	.2143	.2380	.4683-02	.3857-02	.4283-02	2.810	19.44	556.3
385	.70000	.20000	899.00	.2064	.1702	.1906	.3715-02	.3063-02	.3431-02	2.242	13.81	552.8
385	.70000	.30000	900.00	.1696	.1400	.1574	.3053-02	.2519-02	.2833-02	1.851	11.42	550.1
385	.70000	.40000	901.00	.1519	.1253	.1410	.2734-02	.2256-02	.2537-02	1.614	10.52	549.8
385	.70000	.50000	902.00	.1483	.1223	.1377	.2669-02	.2202-02	.2479-02	1.658	10.24	551.5
385	.70000	.60000	903.00	.1851	.1525	.1783	.3332-02	.2745-02	.3210-02	2.001	14.30	555.8
385	.75000	.00000	904.00	.2473	.2041	.2215	.4451-02	.3673-02	.3987-02	2.701	21.43	549.4
385	.75000	.25000-01	905.00	.3302	.2710	.2864	.5942-02	.4878-02	.5155-02	3.498	27.50	557.7
385	.75000	.50000-01	906.00	.3266	.2770	.3022	.6059-02	.4985-02	.5438-02	3.614	26.63	559.7
385	.75000	.10000+00	907.00	.2925	.2408	.2674	.5265-02	.4334-02	.4814-02	3.151	21.79	557.7
385	.75000	.20000	908.00	.1943	.1601	.1795	.3496-02	.2862-02	.3231-02	2.109	14.61	553.2
385	.75000	.30000	909.00	.1693	.1397	.1568	.3047-02	.2515-02	.2823-02	1.650	11.75	549.1

(RVIL37)

AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	27/8	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAN)	H(9TO) BTU/ R FT/SEC	H(10) BTU/ R FT/SEC	H(TAN) BTU/ R FT/SEC	QDOT BTU/ FT/SEC	DTWOT DEG. R /SEC	TH DEG. R
385	.75000	.40000	910.00	.1454	.1200	.1347	.2616-02	.2159-02	.2425-02	1.588	10.37	549.5
385	.75000	.60000	911.00	.1355	.1119	.1255	.2439-02	.2014-02	.2266-02	1.483	9.989	548.4
385	.75000	.80000	912.00	.2269	.1867	.2146	.4084-02	.3359-02	.3862-02	2.434	19.92	560.3
385	.75000	.90000	913.00	.1929	.1590	.1857	.3471-02	.2861-02	.3343-02	2.092	15.21	553.7
385	.75000	.95000	914.00	.1453	.1199	.1409	.2616-02	.2158-02	.2536-02	1.582	11.90	551.6
385	.80000	.00000	915.00	.2693	.2211	.2405	.4847-02	.3980-02	.4328-02	2.857	26.22	566.9
385	.80000	.20000	916.00	.2055	.1695	.1900	.3698-02	.3050-02	.3420-02	2.238	15.53	551.1
385	.80000	.40000	917.00	.1557	.1285	.1442	.2803-02	.2313-02	.2595-02	1.700	12.18	549.9
385	.80000	.60000	918.00	.1999	.1647	.1924	.3597-02	.2964-02	.3462-02	2.163	15.71	555.1
385	.85000	.00000	919.00	.3031	.2490	.2707	.5455-02	.4481-02	.4873-02	3.227	25.41	564.7
385	.85000	.20000	920.00	.2172	.1798	.2011	.3922-02	.3236-02	.3620-02	2.374	17.01	550.9
385	.85000	.40000	921.00	.1691	.1394	.1563	.3043-02	.2510-02	.2814-02	1.840	13.62	551.5
385	.90000	.00000	922.00	.1760	.1451	.1576	.3168-02	.2611-02	.2836-02	1.909	15.11	553.9
385	.90000	.10000	923.00	.2230	.1839	.2047	.4013-02	.3310-02	.3684-02	2.428	17.97	551.2
385	.90000	.30000	925.00	.1990	.1641	.1838	.3582-02	.2954-02	.3309-02	2.164	15.49	552.1
385	.90000	.50000	926.00	.1672	.1379	.1547	.3038-02	.2482-02	.2785-02	1.822	13.85	550.8
385	.90000	.80000	927.00	.2774	.2283	.2619	.4992-02	.4108-02	.4713-02	2.980	23.12	559.4
385	.90000	.90000	928.00	.1933	.1593	.1864	.3479-02	.2866-02	.3355-02	2.091	16.55	555.2
385	.95000	.00000	929.00	.9460-01	.7830-01	.8430-01	.1703-02	.1409-02	.1527-02	1.047	7.780	541.8
385	.95000	.50000	930.00	.1504	.1242	.1355	.2707-02	.2236-02	.2440-02	1.650	11.84	546.6
385	.95000	.10000	931.00	.1698	.1401	.1551	.3056-02	.2522-02	.2792-02	1.855	13.73	549.5
385	.95000	.20000	932.00	.1894	.1562	.1748	.3409-02	.2812-02	.3146-02	2.064	14.32	550.7
385	.95000	.30000	933.00	.1594	.1644	.1843	.3588-02	.2959-02	.3318-02	2.170	15.53	551.6
385	.95000	.50000	934.00	.1524	.1258	.1413	.2744-02	.2264-02	.2543-02	1.665	12.33	549.5
385	.95000	.70000	935.00	.2774	.2282	.2530	.4993-02	.4107-02	.4662-02	2.974	22.27	560.8
385	.95000	.80000	936.00	.2486	.2048	.2353	.4474-02	.3686-02	.4253-02	2.691	19.87	554.8
385	.95000	.90000	937.00	.1603	.1322	.1544	.2884-02	.2380-02	.2780-02	1.749	13.17	550.0

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LOWER WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL37)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = 40.00
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	SN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
378	7.940	1.001	40.09	.0000	180.0	210.0	.2300-01	1282.	94.20	.9970	3777.	.2012-04
379	7.940	.9933	40.10	.0000	180.0	210.1	.2300-01	1290.	94.80	.9970	3787.	.2001-04

RUN NUMBER	MJ	HREF BTU/ R /FT2	ST FR R =
378	.7586-07	.2446-01	0.0175
379	.7630-07	.2449-01	.4072-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DT140T DEG. R /SEC	TII DEG. R
379	.30000	.00000	845.00	.4210-01	.3480-01	.3770-01	.1031-02	.8523-03	.9246-03	.6350	7.072	544.6
379	.30000	.50000-01	846.00	.1451	.1194	.1307	.3555-02	.2924-02	.3201-02	2.125	23.45	562.9
379	.30000	.10000*00	847.00	.1404	.1156	.1272	.3439-02	.2832-02	.3115-02	2.067	17.57	559.9
379	.30000	.20000	848.00	.1287	.1060	.1176	.3152-02	.2597-02	.2681-02	1.905	13.60	556.4
379	.30000	.40000	850.00	.7960-01	.6550-01	.7330-01	.1949-02	.1604-02	.1794-02	1.170	8.334	560.8
379	.30000	.50000	851.00	.6030-01	.4960-01	.5690-01	.1478-02	.1216-02	.1370-02	.8860	6.520	561.4
379	.30000	.60000	852.00	.6020-01	.4950-01	.5680-01	.1475-02	.1214-02	.1367-02	.8830	6.503	561.7
379	.30000	.70000	853.00	.5320-01	.4540-01	.5130-01	.1353-02	.1113-02	.1256-02	.8110	5.778	561.1
379	.30000	.80000	854.00	.5710-01	.4700-01	.5330-01	.1399-02	.1151-02	.1306-02	.8380	6.164	562.2
379	.30000	.90000	855.00	.1359	.1116	.1297	.3329-02	.2734-02	.3177-02	1.975	14.26	567.4
379	.30000	.95000	856.00	.1077	.8870-01	.1039	.2638-02	.2172-02	.2546-02	1.584	11.29	560.5
379	.35000	.00000	857.00	.1051	.8670-01	.1410-01	.2574-02	.2123-02	.2306-02	1.561	13.31	554.2
379	.40000	.00000	858.00	.1705	.1401	.1524	.4176-02	.3431-02	.3732-02	2.479	24.82	567.0
379	.40000	.50000-01	859.00	.3398	.2777	.2692	.8299-02	.6802-02	.330-02	4.863	34.41	574.8
379	.40000	.10000*00	860.00	.2373	.1948	.2144	.5811-02	.4772-02	.5252-02	3.439	24.41	569.0
379	.40000	.20000	861.00	.1453	.1194	.1338	.3559-02	.2926-02	.3278-02	2.119	15.57	565.3
379	.40000	.30000	862.00	.1177	.9680-01	.1091	.2884-02	.2371-02	.2672-02	1.720	12.24	564.3
379	.40000	.40000	863.00	.9990-01	.8220-01	.9260-01	.2448-02	.2013-02	.2269-02	1.462	11.12	563.4
379	.40000	.60000	864.00	.8490-01	.6990-01	.7860-01	.2080-02	.1712-02	.1924-02	1.249	8.360	560.4

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(RVIL37)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H1(9TO) BTU/ R F12SEC	H1(TO) BTU/ R F12SEC	H1(TAM) BTU/ R F12SEC	QDOT BTU/ R F12SEC	DTWOT DEG. R /SEC	TW DEG. R
379	.40000	.70000	865.00	.1004	.8250-01	.9300-01	.2459-02	.2021-02	.2278-02	1.465	9.791	564.7
379	.40000	.75000	866.00	.6340-01	.5380-01	.6090-01	.1603-02	.1318-02	.1491-02	.9570	7.039	563.4
379	.40000	.80000	867.00	.3212	.2626	.3031	.7867-02	.6432-02	.7425-02	4.547	33.68	582.7
379	.40000	.85000	868.00	.2689	.2302	.2586	.6587-02	.5393-02	.6335-02	3.834	32.29	578.6
379	.40000	.90000	869.00	.2446	.2004	.2371	.5991-02	.4909-02	.5809-02	3.507	27.97	575.3
379	.50000	.00000	871.00	.4793	.3906	.4263	.1174-01	.9568-02	.1044-01	6.668	53.70	592.8
379	.50000	.00000-01	872.00	.3487	.2956	.3033	.8541-02	.6994-02	.7576-02	37.64	37.64	577.4
379	.50000	.16000+00	873.00	.2118	.1741	.1930	.5169-02	.4264-02	.4728-02	3.085	22.65	566.3
379	.50000	.20000	874.00	.1462	.1202	.1349	.3580-02	.2944-02	.3305-02	2.139	15.22	563.3
379	.50000	.30000	875.00	.1131	.9300-01	.1046	.2770-02	.2279-02	.2563-02	1.659	11.82	561.8
379	.50000	.40000	876.00	.9970-01	.8210-01	.9240-01	.2443-02	.2010-02	.2263-02	1.463	10.42	561.8
379	.50000	.60000	877.00	.8470-01	.6950-01	.7850-01	.2074-02	.1706-02	.1923-02	1.240	8.556	562.5
379	.50000	.80000	878.00	.3456	.2826	.3202	.8465-02	.6922-02	.7844-02	4.898	37.56	582.1
379	.55000	.00000	879.00	.6202	.4983	.5469	.1519-01	.1221-01	.1340-01	8.010	65.66	633.5
379	.60000	.00000	880.00	.5736	.4618	.5064	.1405-01	.1131-01	.1240-01	7.481	66.61	628.3
379	.60000	.25000-01	881.00	.6841	.5543	.5901	.1676-01	.1358-01	.1445-01	9.224	68.57	610.2
379	.60000	.50000-01	882.00	.3733	.3041	.3310	.9143-02	.7450-02	.8108-02	5.187	49.02	593.4
379	.60000	.75000-01	883.00	.3847	.3144	.3477	.9422-02	.7700-02	.8517-02	5.436	49.02	583.8
379	.60000	.10000+00	884.00	.2910	.2389	.2661	.7129-02	.5851-02	.6519-02	4.208	29.64	570.5
379	.60000	.20000	885.00	.1755	.1444	.1624	.4298-02	.3537-02	.3977-02	2.574	18.33	561.9
379	.60000	.30000	886.00	.1534	.1261	.1419	.3757-02	.3088-02	.3475-02	2.237	14.95	565.2
379	.60000	.40000	887.00	.1342	.1103	.1240	.3287-02	.2701-02	.3037-02	1.956	13.47	565.6
379	.60000	.50000	888.00	.1213	.9880-01	.1124	.2972-02	.2444-02	.2754-02	1.776	12.24	563.3
379	.60000	.60000	889.00	.1103	.9070-01	.1023	.2701-02	.2222-02	.2505-02	1.617	11.15	562.3
379	.60000	.80000	891.00	.2360	.1932	.2239	.5781-02	.4733-02	.5459-02	3.366	24.57	578.5
379	.60000	.85000	892.00	.2704	.2216	.2556	.6623-02	.5427-02	.6286-02	3.876	27.87	575.5
379	.60000	.90000	893.00	.2821	.2313	.2720	.6909-02	.5665-02	.6662-02	4.060	30.22	573.1
379	.60000	.95000	894.00	.2512	.2063	.2437	.6153-02	.5053-02	.5968-02	3.643	27.17	568.7
379	.65000	.00000	895.00	.3587	.2920	.3188	.8786-02	.7152-02	.7808-02	4.960	41.40	596.2
379	.70000	.00000	896.00	.1546	.1267	.1367	.3788-02	.3104-02	.3380-02	2.219	28.63	575.0
379	.70000	.25000-01	897.00	.2425	.1989	.2135	.5939-02	.4872-02	.5156-02	3.498	32.02	571.8
379	.70000	.10000+00	898.00	.2548	.2093	.2356	.6241-02	.5127-02	.5658-02	3.703	25.47	567.5
379	.70000	.20000	899.00	.2082	.1713	.1937	.5099-02	.4196-02	.4703-02	3.057	18.75	561.3
379	.70000	.30000	900.00	.1680	.1383	.1537	.4115-02	.3388-02	.3814-02	2.473	15.18	559.9
379	.70000	.40000	901.00	.1482	.1219	.1373	.3629-02	.2986-02	.3362-02	2.175	13.73	565.9
379	.70000	.60000	902.00	.1508	.1240	.1398	.3594-02	.3036-02	.3424-02	2.197	13.83	565.9
379	.70000	.80000	903.00	.2015	.1654	.1939	.4935-02	.4051-02	.4749-02	2.919	20.71	569.3
379	.75000	.00000	904.00	.2004	.1650	.1733	.4959-02	.4042-02	.4393-02	2.954	23.32	559.1
379	.75000	.25000-01	905.00	.3327	.2721	.2877	.8150-02	.6655-02	.7048-02	4.716	36.81	582.1
379	.75000	.50000-01	906.00	.3261	.2757	.3010	.8232-02	.6753-02	.7373-02	4.845	35.48	572.2
379	.75000	.10000+00	907.00	.2884	.2368	.2632	.7065-02	.5800-02	.6448-02	4.176	28.70	569.6
379	.75000	.20000	908.00	.1960	.1613	.1809	.4800-02	.3951-02	.4431-02	2.881	19.89	560.5
379	.75000	.30000	909.00	.1689	.1391	.1552	.4136-02	.3406-02	.3827-02	2.491	15.74	558.5

AEDC V418-57A (04-498) COLLATION DECK

04-498 (AEDC V418-57A) CRBITER LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = 40.00
BOFLAP = 15.00 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	FO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
386	7.900	.5215	30.03	.0000	180.0	108.1	.1200-01	1284.	95.20	.5250	3777.	.058-04
387	7.900	.5334	30.03	.0000	180.0	110.8	.1200-01	1285.	95.30	.5380	3780.	.1083-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
386	.7666-07	.1775-01		0.0175
387	.7676-07	.1798-01		.5532-01

TEST DATA

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AN) BTU/ R FT2SEC	COGT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TN DEG. R
387	.30000	.00000	845.00	.4100-01	.3390-01	.3560-01	.7379-03	.6102-03	.6397-03	.4540	5.056	542.3
387	.30000	.50000-01	846.00	.1308	.1078	.1230	.2352-02	.1938-02	.2211-02	.4540	15.67	555.2
387	.30000	.10000-00	847.00	.1168	.5630-01	.1104	.2099-02	.1732-02	.1985-02	1.415	10.86	550.9
387	.30000	.20000	848.00	.1005	.8300-01	.5600-01	.1807-02	.1492-02	.1725-02	1.272	7.884	548.5
387	.30000	.40000	850.00	.6900-01	.5690-01	.6600-01	.1240-02	.1023-02	.1193-02	1.099	5.391	550.0
387	.30000	.50000	851.00	.5300-01	.4380-01	.5140-01	.7954-03	.7869-03	.9248-03	.5740	4.289	549.5
387	.30000	.60000	852.00	.4710-01	.3690-01	.4570-01	.8468-03	.6989-03	.8210-03	.5150	3.812	549.2
387	.30000	.70000	853.00	.4420-01	.3650-01	.4300-01	.7954-03	.6567-03	.7724-03	.4840	3.474	548.0
387	.30000	.80000	854.00	.3650-01	.3020-01	.3570-01	.6563-03	.5422-03	.6409-03	.4010	2.972	546.4
387	.30000	.90000	855.00	.9410-01	.7770-01	.9400-01	.1692-02	.1396-02	.1690-02	1.027	7.480	549.9
387	.30000	.95000	856.00	.7500-01	.6200-01	.7500-01	.1349-02	.1114-02	.1360-02	.8240	5.920	545.7
387	.35000	.00000	857.00	.1029	.8450-01	.8900-01	.1850-02	.1527-02	.1601-02	1.124	9.605	549.4
387	.40000	.00000	858.00	.1913	.1574	.1652	.3439-02	.2829-02	.2969-02	2.049	20.57	561.1
387	.40000	.50000-01	859.00	.3504	.2879	.3227	.6298-02	.5176-02	.5801-02	3.735	26.58	563.9
387	.40000	.10000-00	860.00	.2227	.1834	.2103	.4003-02	.3297-02	.3781-02	2.402	17.15	556.9
387	.40000	.20000	861.00	.1226	.1011	.1181	.2203-02	.1817-02	.2123-02	1.331	9.840	552.3
387	.40000	.30000	862.00	.1011	.8340-01	.9800-01	.1817-02	.1499-02	.1762-02	1.099	7.864	551.1
387	.40000	.40000	863.00	.8240-01	.6800-01	.7930-01	.1481-02	.1222-02	.1437-02	.8970	6.669	548.8
387	.40000	.50000	864.00	.7890-01	.6510-01	.7630-01	.1419-02	.1171-02	.1372-02	.8630	5.809	

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AEDC W6F V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2V/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAN)	H(9T0) BTU/ R FT/SEC	H(10) BTU/ R FT/SEC	H(11A) BTU/ R FT/SEC	QDOT BTU/ R FT/SEC	DT/DT DEG. R /SEC	TH DEG. R
387	40000	70700	865.00	7790-01	6430-01	7550-01	1400-02	1156-02	1357-02	8510	5.731	549.0
387	40000	75000	865.00	4420-01	3650-01	4300-01	7936-03	6555-03	7726-03	4840	3.592	546.7
387	40000	85000	867.00	1524	1255	1508	2740-02	2257-02	2710-02	1646	12.36	556.1
387	40000	90000	868.00	1329	1096	1337	2389-02	1969-02	2404-02	1441	12.29	553.6
387	40000	95000	869.00	1159	9560-01	1175	2083-02	1719-02	2111-02	1263	10.20	550.7
387	50000	03000	871.00	5618	4583	4820	1010-01	8239-02	8664-02	5749	46.42	587.6
387	50000	50000-01	872.00	3513	2887	3254	6315-02	5199-02	5849-02	3742	28.46	564.3
387	50000	10000+00	873.00	2031	1674	1935	3651-02	3009-02	3478-02	2201	16.26	554.0
387	50000	20000	874.00	1377	1136	1329	2474-02	2042-02	2390-02	1501	10.75	550.5
387	50000	30000	875.00	1132	9350-01	1096	2036-02	1680-02	1970-02	1236	8.855	549.8
387	50000	40000	876.00	9370-01	7740-01	3080-01	1685-02	1391-02	1633-02	1023	7.328	550.0
387	50000	60000	877.00	6830-01	5640-01	5630-01	1228-02	1014-02	1191-02	7470	5.190	548.4
387	50000	90000	878.00	1306	1077	1269	2347-02	1935-02	2280-02	1418	11.03	552.9
387	50000	00000	879.00	7341	5911	6234	1320-01	1062-01	1121-01	7010	41.74	585.7
387	60000	00000	880.00	4577	3723	3518	8227-02	6693-02	7042-02	4615	57.68	595.9
387	60000	25000-01	881.00	5075	4150	4580	9122-02	7460-02	8233-02	5262	39.70	580.1
387	60000	50000-01	882.00	2747	2255	2551	4938-02	4053-02	4586-02	2907	27.82	568.2
387	60000	75000-01	883.00	2818	2317	2658	5065-02	4165-02	4796-02	3014	22.18	561.8
387	60000	10000+00	884.00	2144	1767	2052	3854-02	3177-02	3688-02	2323	16.61	554.3
387	60000	20000	885.00	1458	1211	1420	2638-02	2177-02	2553-02	1602	11.48	549.8
387	60000	30000	886.00	1385	1143	1340	2489-02	2054-02	2409-02	1510	10.16	550.1
387	60000	40000	887.00	1183	9760-01	1143	2126-02	1754-02	2055-02	1289	8.942	550.7
387	60000	50000	888.00	1061	8760-01	1029	1907-02	1574-02	1849-02	1160	8.055	548.8
387	60000	60000	889.00	9290-01	7670-01	9020-01	1671-02	1379-02	1621-02	1017	7.066	549.2
387	60000	80000	891.00	1653	1361	1635	2972-02	2447-02	2940-02	1779	13.12	558.2
387	60000	00000	892.00	1866	1537	1854	3353-02	2763-02	3333-02	2016	14.64	555.7
387	60000	90000	893.00	1574	1298	1587	2830-02	2334-02	2853-02	1712	12.88	551.9
387	60000	95000	894.00	1213	1001	1229	2180-02	1800-02	2209-02	1327	10.00	548.1
387	65000	00000	895.00	3328	2719	2859	5982-02	4888-02	5139-02	3436	28.88	582.6
387	70000	03000	896.00	1631	1388	1457	3041-02	2495-02	2620-02	1786	23.10	569.6
387	70000	25000-01	897.00	2441	2008	2203	4388-02	3609-02	3960-02	2614	24.06	561.1
387	70000	10000+00	898.00	2180	1797	2033	3919-02	3230-02	3742-02	2362	16.36	554.2
387	70000	20000	899.00	1796	1482	1733	3229-02	2654-02	3114-02	1957	12.07	550.8
387	70000	30000	900.00	1413	1167	1370	2541-02	2098-02	2462-02	1547	9.555	548.0
387	70000	40000	901.00	1267	1047	1228	2278-02	1881-02	2208-02	1388	8.820	547.6
387	70000	60000	902.00	1129	9320-0	1095	2029-02	1675-02	1968-02	1235	7.843	546.2
387	70000	90000	903.00	1611	1328	1621	2893-02	2388-02	2913-02	1753	12.55	551.6
387	75000	00000	904.00	1841	1517	1592	3309-02	2727-02	2861-02	1992	15.76	555.0
387	75000	25000-01	905.00	3584	2936	3221	6442-02	5278-02	5791-02	3754	29.42	574.1
387	75000	50000-01	906.00	3144	2587	2542	5651-02	4651-02	5288-02	3378	24.89	559.2
387	75000	10000+01	907.00	2454	2023	2344	4412-02	3636-02	4213-02	2657	18.40	554.7
387	75000	20000	908.00	1547	1277	1593	2780-02	2295-02	2684-02	1692	11.75	548.5
387	75000	30000	909.00	1372	1134	1328	2467-02	2038-02	2387-02	1506	9.574	546.4

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TM DEG. R
387	.75000	.40000	910.00	.1240	.1024	.1200	.2228-02	.1840-02	.1359-02	1.359	8.892	546.9
387	.75000	.60000	911.00	.1060	.8760-01	.1028	.1905-02	.1574-02	.1849-02	1.165	7.863	545.2
387	.75000	.80000	912.00	.1970	.1623	.1949	.3541-02	.2917-02	.3501-02	2.128	17.45	556.0
387	.75000	.90000	913.00	.1539	.1271	.1548	.2767-02	.2284-02	.2783-02	1.683	12.27	548.5
387	.75000	.95000	914.00	.1071	.8850-01	.1084	.1925-02	.1590-02	.1948-02	1.176	8.875	545.9
387	.80000	.00000	915.00	.3189	.2609	.2742	.5733-02	.4691-02	.4929-02	3.318	30.27	578.2
387	.80000	.20000	916.00	.1497	.1236	.1446	.2691-02	.2222-02	.2599-02	1.640	11.40	547.4
387	.80000	.40000	917.00	.1177	.9720-01	.1138	.2116-02	.1748-02	.2046-02	1.292	9.277	546.1
387	.80000	.60000	918.00	.1557	.1285	.1565	.2799-02	.2310-02	.2813-02	1.701	12.39	549.3
387	.85000	.00000	919.00	.3885	.3179	.3341	.6983-02	.5714-02	.6005-02	4.041	31.61	578.2
387	.85000	.20000	920.00	.1595	.1318	.1538	.2870-02	.2369-02	.2765-02	1.746	12.52	548.4
387	.85000	.40000	921.00	.1158	.9560-01	.1118	.2081-02	.1719-02	.2010-02	1.271	9.425	546.3
387	.90000	.00000	922.00	.2318	.1907	.2002	.4167-02	.3428-02	.3598-02	2.483	19.59	561.1
387	.90000	.10000+00	923.00	.2213	.1825	.2120	.3978-02	.3280-02	.3811-02	2.404	17.78	552.5
387	.90000	.30000	925.00	.1667	.1376	.1508	.2997-02	.2474-02	.2891-02	1.822	13.06	549.0
387	.90000	.50000	926.00	.9740-01	.8050-01	.9+20-01	.1751-02	.1447-02	.1693-02	1.072	7.705	544.5
387	.90000	.80000	927.00	.1854	.1528	.1830	.3333-02	.2747-02	.3290-02	2.009	15.62	554.2
387	.95000	.00000	928.00	.1445	.1192	.1455	.2597-02	.2143-02	.2616-02	1.577	12.51	546.1
387	.95000	.00000	929.00	.1333	.1101	.1154	.2396-02	.1979-02	.2075-02	1.463	10.86	546.1
387	.95000	.50000-01	930.00	.1844	.1522	.1731	.3315-02	.2735-02	.3111-02	2.009	14.39	550.8
387	.95000	.10000+00	931.00	.1816	.1499	.1731	.3265-02	.2694-02	.3112-02	1.979	14.64	550.2
387	.95000	.20000	932.00	.1831	.1511	.1764	.3291-02	.2715-02	.3171-02	1.996	13.86	550.2
387	.95000	.30000	933.00	.1696	.1400	.1538	.3048-02	.2516-02	.2944-02	1.852	13.28	549.3
387	.95000	.50000	934.00	.1211	.1000+00	.1172	.2177-02	.1798-02	.2107-02	1.330	9.865	546.0
387	.95000	.70000	935.00	.1689	.1393	.1549	.3037-02	.2503-02	.2965-02	1.832	13.77	553.6
387	.95000	.80000	936.00	.1806	.1490	.1794	.3246-02	.2678-02	.3225-02	1.966	14.55	551.3
387	.95000	.90000	937.00	.1258	.1039	.1265	.2260-02	.1867-02	.2274-02	1.381	10.42	546.0

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OH-498 (AEDC V41B-57A) ORBITER LOWER HUI

(RV1L38)

LOWER HING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = 40.00
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
370	7.940	.9503	30.02	.0000	180.0	208.8	.2200-01	1323.	97.20	.9910	3836.	.1939-04
371	7.940	.9663	30.01	.0000	180.0	212.6	.2300-01	1324.	97.30	1.009	3838.	.1972-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =
370	.7826-07	.2453-01	0.0175
371	.7833-07	.2475-01	.4112-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF TAW	H19T0 BTU/ R FT2SEC	H170 BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
371	.30000	.00000	845.00	.4060-01	.3370-01	.3530-01	.1006-02	.8342-03	.8738-03	.6480	7.206	547.2
371	.30000	.50000-01	846.00	.1305	.1078	.1228	.3229-02	.2667-02	.3039-02	2.029	22.33	563.2
371	.30000	.10000+00	847.00	.1138	.9410-01	.1077	.2816-02	.2329-02	.2665-02	1.782	15.16	558.7
371	.30000	.20000	848.00	.1031	.8530-01	.9850-01	.2552-02	.2113-02	.2438-02	1.625	11.62	554.6
371	.30000	.40000	850.00	.6160-01	.5100-01	.5930-01	.1524-02	.1261-02	.1468-02	.9690	8.919	556.1
371	.30000	.50000	851.00	.4610-01	.3920-01	.4480-01	.1142-02	.9447-03	.1108-02	.7250	5.354	556.2
371	.30000	.60000	852.00	.4430-01	.3670-01	.4300-01	.1096-02	.9072-02	.1053-02	.6970	5.143	556.0
371	.30000	.70000	853.00	.3850-01	.3180-01	.3740-01	.9521-03	.7881-03	.9251-03	.6060	4.328	555.5
371	.30000	.80000	854.00	.3740-01	.3090-01	.3650-01	.9246-03	.7653-03	.9032-03	.5880	4.343	555.5
371	.30000	.90000	855.00	.9740-01	.8050-01	.9730-01	.2412-02	.1953-02	.2409-02	1.519	10.99	561.9
371	.30000	.95000	856.00	.7870-01	.6510-01	.7930-01	.1947-02	.1611-02	.1963-02	1.237	8.838	556.1
371	.35000	.00000	857.00	.9870-01	.8170-01	.9560-01	.2442-02	.2021-02	.2118-02	1.553	13.23	555.6
371	.40000	.00000	858.00	.1906	.1570	.1647	.4717-02	.3886-02	.4077-02	2.920	25.15	572.6
371	.40000	.50000-01	859.00	.3471	.2655	.3199	.8591-02	.7068-02	.7918-02	5.278	37.30	577.3
371	.40000	.10000+00	860.00	.2228	.1838	.2106	.5515-02	.4550-02	.5213-02	3.442	24.44	567.6
371	.40000	.20000	861.00	.1197	.9890-01	.1154	.2963-02	.2449-02	.2857-02	1.866	13.74	561.8
371	.40000	.30000	862.00	.9830-01	.8170-01	.9530-01	.2447-02	.2023-02	.2373-02	1.545	11.01	560.1
371	.40000	.40000	863.00	.7710-01	.6370-01	.7480-01	.1907-02	.1577-02	.1851-02	1.207	9.203	558.8
371	.40000	.50000	864.00	.7770-01	.6430-01	.7520-01	.1922-02	.1591-02	.1861-02	1.222	8.197	556.1

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL38)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF P 1.0	H/HREF (TAN)	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2 C	H(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTROT DEG. R /SEC	TH DEG. R
371	40000	70000	865.00	.8450-01	.6990-01	.8200-01	.2032-02	.1730-02	.2029-02	1.324	8.871	558.8
371	40000	75000	866.00	.5070-01	.4200-01	.4940-01	.1256-02	.1039-02	.1223-02	3.191	5.882	556.7
371	40000	85000	867.00	.2083	.1716	.2061	.5155-02	.4247-02	.5100-02	2.534	23.75	572.7
371	40000	90000	868.00	.1644	.1356	.1654	.4069-02	.3356-02	.4095-02	2.228	21.45	568.7
371	40000	95000	869.00	.1438	.1187	.1457	.3559-02	.2937-02	.3607-02	8.007	17.86	565.4
371	50000	00000	871.00	.5558	.4528	.4753	.1376-01	.1121-01	.1179-01	5.298	63.95	609.6
371	50000	.50000-01	872.00	.3492	.2871	.3236	.8642-02	.7107-02	.8009-02	2.107	40.00	578.6
371	50000	.10000+00	873.00	.2054	.1696	.1959	.5085-02	.4198-02	.4847-02	3.187	23.42	564.8
371	50000	.20000	874.00	.1350	.1115	.1304	.3341-02	.2761-02	.3227-02	1.795	15.01	561.0
371	50000	.30000	875.00	.1149	.9490-01	.1112	.2843-02	.2350-02	.2753-02	1.061	12.80	560.1
371	50000	.40000	876.00	.9530-01	.7880-01	.9240-01	.2360-02	.1951-02	.2287-02	3.936	10.64	559.2
371	50000	.50000	877.00	.6770-01	.5600-01	.6570-01	.1676-02	.1386-02	.1627-02	7.337	7.337	558.4
371	50000	.60000	878.00	.2582	.2125	.2508	.6382-02	.5261-02	.6209-02	30.28	30.28	575.9
371	55000	.00000	879.00	.7237	.5790	.6115	.1791-01	.1433-01	.1514-01	6.457	76.76	661.7
371	60000	.00000	880.00	.4575	.3713	.3909	.1132-01	.9190-02	.9675-02	7.314	54.63	600.3
371	60000	.25000-01	881.00	.4937	.4083	.4509	.1237-01	.1011-01	.1116-01	4.173	39.63	584.3
371	60000	.50000-01	882.00	.2778	.2280	.2560	.6875-02	.5645-02	.6386-02	4.253	33.33	575.9
371	60000	.75000-01	883.00	.2791	.2297	.2644	.6908-02	.5686-02	.6544-02	3.280	23.33	564.8
371	60000	.10100+00	884.00	.2114	.1746	.2024	.5233-02	.4321-02	.5011-02	2.288	16.33	557.7
371	60000	.20000	885.00	.1453	.1206	.1412	.3609-02	.2986-02	.3495-02	2.114	14.15	560.8
371	60000	.30000	886.00	.1354	.1119	.1311	.3352-02	.2770-02	.3245-02	1.890	13.04	562.2
371	60000	.40000	887.00	.1213	.1002	.1173	.3003-02	.2481-02	.2904-02	1.406	9.719	558.3
371	60000	.50000	888.00	.1058	.8750-01	.1027	.2620-02	.2166-02	.2541-02	2.774	20.30	573.4
371	60000	.60000	889.00	.8970-01	.7420-01	.8710-01	.2210-02	.1837-02	.2155-02	2.466	18.43	564.7
371	60000	.80000	891.00	.1813	.1493	.1794	.4488-02	.3696-02	.4435-02	1.907	14.28	561.3
371	60000	.85000	892.00	.1873	.1544	.1852	.4635-02	.3823-02	.4608-02	2.885	40.56	603.5
371	60000	.90000	893.00	.1599	.1312	.1602	.3933-02	.3247-02	.3966-02	2.478	31.81	584.9
371	60000	.95000	894.00	.1222	.1010	.1239	.3026-02	.2500-02	.3066-02	2.478	33.04	573.8
371	65000	.00000	895.00	.3349	.2734	.2874	.8230-02	.6767-02	.7114-02	3.393	23.38	564.6
371	70000	.00000	896.00	.1650	.1354	.1650	.4084-02	.3352-02	.4285-02	2.809	17.25	559.0
371	70000	.25000-01	897.00	.2363	.1946	.2134	.5849-02	.4816-02	.5283-02	1.975	12.49	557.2
371	70000	.10000+00	898.00	.2186	.1805	.2089	.5411-02	.4468-02	.4285-02	1.862	11.76	559.3
371	70000	.20000	899.00	.1794	.1483	.1731	.4440-02	.3672-02	.4285-02	2.279	14.00	557.2
371	70000	.30000	900.00	.1452	.1201	.1408	.3594-02	.2973-02	.3485-02	1.975	12.49	557.2
371	70000	.40000	901.00	.1258	.1040	.1219	.3113-02	.2575-02	.3018-02	1.862	11.76	559.3
371	70000	.50000	902.00	.1190	.9840-01	.1155	.2945-02	.2435-02	.2858-02	2.484	17.67	565.0
371	70000	.60000	903.00	.1002	.1322	.1612	.3965-02	.3273-02	.3990-02	2.901	22.73	574.7
371	75000	.00000	904.00	.1900	.1564	.1641	.4703-02	.3872-02	.4063-02	5.155	40.06	591.3
371	75000	.25000-01	905.00	.3469	.2842	.3119	.8587-02	.7035-02	.7720-02	3.668	24.76	565.2
371	75000	.50000-01	906.00	.3038	.2504	.2844	.5719-02	.4617-02	.5483-02	2.263	15.64	558.2
371	75000	.10000+00	907.00	.2319	.1914	.2215	.5700-02	.4738-02	.5450-02	2.047	12.96	555.2
371	75000	.20000	908.00	.1443	.1194	.1394	.3572-02	.2954-02	.3450-02	2.263	15.64	558.2
371	75000	.30000	909.00	.1300	.1076	.1258	.3217-02	.2663-02	.3114-02	2.047	12.96	555.2

(RVIL38)

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R FT2SEC	H(1TC) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
371	.75000	.40000	910.00	.1199	.9920-01	.1161	.2967-02	.2455-02	.2873-02	1.885	12.27	556.3
371	.75000	.60000	911.00	.1128	.9340-01	.1095	.2792-02	.2311-02	.2710-02	1.776	11.92	555.2
371	.75000	.80000	912.00	.2015	.1659	.1993	.4988-02	.4107-02	.4932-02	3.080	25.03	574.2
371	.75000	.90000	913.00	.1549	.1280	.1558	.3834-02	.3169-02	.3857-02	2.417	17.50	561.3
371	.75000	.95000	914.00	.1040	.8600-01	.1052	.2573-02	.2128-02	.2604-02	1.628	12.20	559.1
371	.80000	.00000	915.00	.3198	.2614	.2747	.7915-02	.6470-02	.6800-02	4.691	42.37	598.9
371	.80000	.20000	916.00	.1508	.1245	.1458	.3733-02	.3090-02	.3608-02	2.376	16.45	555.0
371	.80000	.40000	917.00	.1143	.9460-01	.1105	.2828-02	.2340-02	.2736-02	1.797	12.84	556.1
371	.80000	.60000	918.00	.1532	.1266	.1540	.3791-02	.3133-02	.3811-02	2.390	17.31	561.2
371	.85000	.00000	919.00	.4060	.3318	.3487	.1005-01	.8213-02	.8632-02	5.953	46.08	599.2
371	.85000	.20000	920.00	.1524	.1261	.1469	.3771-02	.3121-02	.3636-02	2.395	17.10	556.6
371	.85000	.40000	921.00	.1237	.1023	.1195	.3062-02	.2332-02	.2953-02	1.938	14.28	558.7
371	.90000	.00000	922.00	.2303	.1896	.1989	.5700-02	.4622-02	.4924-02	3.511	27.50	575.6
371	.90000	.20000	923.00	.2250	.1859	.2157	.5570-02	.4606-02	.5339-02	3.501	25.75	563.0
371	.90000	.40000	924.00	.1575	.1303	.1520	.3898-02	.3225-02	.3762-02	2.474	17.67	556.8
371	.90000	.60000	925.00	.1280	.1059	.1238	.3159-02	.2621-02	.3065-02	2.007	14.32	558.2
371	.90000	.80000	926.00	.3016	.2480	.2976	.7465-02	.6138-02	.7337-02	4.570	35.10	579.3
371	.90000	.00000	927.00	.2132	.1758	.2148	.5276-02	.4351-02	.5316-02	3.284	25.80	569.3
371	.95000	.00000	928.00	.1303	.1078	.1130	.3224-02	.2669-02	.2797-02	2.053	15.16	554.9
371	.95000	.20000	929.00	.1804	.1492	.1695	.4466-02	.3692-02	.4195-02	2.822	20.12	559.7
371	.95000	.40000	930.00	.1796	.1485	.1712	.4445-02	.3675-02	.4239-02	2.807	20.68	560.0
371	.95000	.60000	931.00	.1764	.1458	.1700	.4366-02	.3610-02	.4209-02	2.760	19.06	559.5
371	.95000	.80000	932.00	.1674	.1384	.1617	.4143-02	.3426-02	.4003-02	2.622	18.70	558.7
371	.95000	.00000	933.00	.1225	.1014	.1187	.3033-02	.2510-02	.2937-02	1.927	14.22	556.2
371	.95000	.20000	934.00	.3164	.2600	.3087	.7831-02	.6435-02	.7642-02	4.781	35.44	581.0
371	.95000	.40000	935.00	.3213	.2645	.3192	.7953-02	.6547-02	.7902-02	4.902	35.84	575.2
371	.95000	.60000	936.00	.2250	.1857	.2265	.5570-02	.4596-02	.5605-02	3.482	26.00	566.4

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = 40.00
BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	FO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
388	7.900	.5347	40.09	.0000	180.0	111.2	.1200-01	1287.	95.40	.5400	3781.	.1085-04
389	7.900	.5360	40.05	.0000	180.0	111.3	.1200-01	1285.	95.30	.5400	3779.	.1088-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =	HREF BTU/ R FT2SEC
388	.7683-07		0.0175	.1801-01
389	.7675-07		.5519-01	.1802-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QOOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
389	.30000	.00000	845.00	.4600-01	.3800-01	.4130-01	.8287-03	.6853-03	.7433-03	.5090	5.671	542.7
389	.30000	.50000-01	846.00	.1514	.1247	.1365	.2727-02	.2247-02	.2459-02	1.641	18.17	555.2
389	.30000	.10000+00	847.00	.1262	.1041	.1144	.2274-02	.1875-02	.2062-02	1.373	11.71	553.0
389	.30000	.20000	848.00	.1268	.1046	.1160	.2284-02	.1884-02	.2089-02	1.383	9.505	551.1
389	.30000	.40000	850.00	.8250-01	.6800-01	.7600-01	.1485-02	.1224-02	.1368-02	.8950	6.399	554.2
389	.30000	.50000	851.00	.6920-01	.5700-01	.6420-01	.1246-02	.1027-02	.1156-02	.7500	5.544	554.7
389	.30000	.60000	852.00	.6610-01	.5450-01	.6130-01	.1191-02	.9819-03	.1105-02	.7180	5.308	553.4
389	.30000	.70000	853.00	.6060-01	.4930-01	.5630-01	.1091-02	.8995-03	.1014-02	.6590	4.712	553.0
389	.30000	.80000	854.00	.4810-01	.3970-01	.4700-01	.8668-03	.7148-03	.8098-03	.5240	3.872	552.6
389	.30000	.90000	855.00	.1230	.1063	.1232	.2323-02	.1914-02	.2220-02	1.397	10.15	555.3
389	.30000	.95000	856.00	.1038	.8940-01	.1002	.1859-02	.1542-02	.1805-02	1.132	8.103	551.3
389	.35000	.00000	857.00	.1084	.8940-01	.9710-01	.1952-02	.1611-02	.1749-02	1.184	10.12	550.1
389	.40000	.00000	858.00	.1717	.1413	.1535	.3092-02	.2545-02	.2766-02	1.849	18.58	558.9
389	.40000	.50000-01	859.00	.3396	.2791	.3005	.6118-02	.5028-02	.5414-02	3.638	25.82	563.6
389	.40000	.10000+00	860.00	.2395	.1971	.2167	.4314-02	.3550-02	.3904-02	2.577	18.38	559.3
389	.40000	.20000	861.00	.1461	.1203	.1347	.2632-02	.2167-02	.2426-02	1.579	11.65	556.7
389	.40000	.30000	862.00	.1192	.9820-01	.1106	.2148-02	.1770-02	.1993-02	1.292	9.229	555.4
389	.40000	.40000	863.00	.9600-01	.7910-01	.8910-01	.1730-02	.1426-02	.1606-02	1.041	7.953	555.0
389	.40000	.60000	864.00	.8430-01	.6950-01	.7810-01	.1519-02	.1253-02	.1407-02	.9190	6.176	552.0

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL39)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(10) BTU/R F12SEC	H(10) BTU/R F12SEC	H(TAN) BTU/R F12SEC	QDOT BTU/ F12SEC	DTWOT DEG. R /SEC	TM DEG. R
389	.40000	.70000	865.00	.8530-01	.7030-01	.7520-01	.1537-02	.1267-02	.1421-02	.9270	6.227	553.7
389	.40000	.75000	866.00	.4550-01	.3760-01	.4240-01	.8205-03	.6767-03	.7644-03	.9270	3.671	551.8
389	.40000	.85000	867.00	.2382	.1958	.2253	.4292-02	.3528-02	.4059-02	2.548	19.06	563.1
389	.40000	.90000	868.00	.1932	.1590	.1850	.3481-02	.2864-02	.3332-02	2.078	17.66	559.7
389	.40000	.95000	869.00	.1726	.1421	.1675	.3110-02	.2559-02	.3018-02	1.859	14.94	559.0
389	.50000	.00000	871.00	.4806	.3933	.4284	.8558-02	.7086-02	.7719-02	5.016	40.70	577.4
389	.50000	.50000-01	872.00	.3515	.2888	.3125	.6332-02	.5203-02	.5630-02	3.749	28.50	564.6
389	.50000	.10000+00	873.00	.2186	.1800	.1994	.3938-02	.3243-02	.3593-02	2.364	17.45	556.3
389	.50000	.20000	874.00	.1480	.1220	.1363	.2667-02	.2198-02	.2465-02	1.608	11.50	553.7
389	.50000	.30000	875.00	.1158	.9550-01	.1673	.2086-02	.1720-02	.1932-02	1.260	9.013	552.8
389	.50000	.40000	876.00	.1006	.8290-01	.9320-01	.1812-02	.1494-02	.1680-02	1.093	7.818	553.3
389	.50000	.60000	877.00	.8860-01	.7300-01	.8220-01	.1595-02	.1315-02	.1481-02	.9630	6.673	553.1
389	.50000	.90000	878.00	.1835	.1509	.1704	.3305-02	.2719-02	.3070-02	1.971	15.28	560.4
389	.55000	.00000	879.00	.6333	.5131	.5612	.1141-01	.9243-02	.1011-01	6.257	51.93	608.3
389	.60000	.00000	880.00	.5743	.4659	.5932	.1035-01	.8394-02	.9175-02	5.719	51.53	603.9
389	.60000	.25000-01	881.00	.6947	.5663	.6220	.1552-01	.1020-01	.1085-01	7.096	53.29	589.7
389	.60000	.50000-01	882.00	.3790	.3103	.3790	.6829-02	.5682-02	.6073-02	3.958	37.71	569.4
389	.60000	.75000-01	883.00	.3817	.3132	.3458	.6876-02	.5612-02	.6229-02	4.039	29.61	559.9
389	.60000	.10000+00	884.00	.2923	.2405	.2677	.5666-02	.4333-02	.4822-02	3.142	22.40	559.9
389	.60000	.20000	885.00	.1778	.1465	.1647	.3033-02	.2640-02	.2966-02	1.930	13.80	553.9
389	.60000	.30000	886.00	.1573	.1297	.1457	.2834-02	.2336-02	.2625-02	1.708	11.47	554.0
389	.60000	.40000	887.00	.1332	.1098	.1232	.2400-02	.1978-02	.2220-02	1.446	10.02	554.1
389	.60000	.50000	888.00	.1222	.1008	.1134	.2202-02	.1816-02	.2043-02	1.330	9.221	552.7
389	.60000	.60000	889.00	.1102	.9090-01	.1623	.1985-02	.1637-02	.1843-02	1.201	8.328	551.8
389	.60000	.80000	891.00	.1822	.1498	.1723	.3282-02	.2698-02	.3103-02	1.945	14.33	562.9
389	.60000	.85000	892.00	.2022	.1664	.1922	.3543-02	.2998-02	.3463-02	2.174	15.75	560.1
389	.60000	.90000	893.00	.1747	.1439	.1686	.3147-02	.2592-02	.3038-02	1.889	14.17	556.6
389	.60000	.95000	894.00	.1428	.1177	.1386	.2572-02	.2121-02	.2497-02	1.553	11.68	552.8
389	.65000	.00000	895.00	.3666	.2998	.3267	.6605-02	.5401-02	.5885-02	3.908	32.05	580.1
389	.70000	.00000	896.00	.1508	.1239	.1347	.2716-02	.2231-02	.2427-02	1.608	20.85	564.7
389	.70000	.25000-01	897.00	.2418	.1989	.2104	.4357-02	.3683-02	.3790-02	2.593	23.85	561.6
389	.70000	.10000+00	899.00	.2602	.2142	.2378	.4687-02	.3859-02	.4284-02	2.806	19.40	558.0
389	.70000	.20000	899.00	.2074	.1710	.1915	.3737-02	.3080-02	.3450-02	2.251	13.86	554.2
389	.70000	.30000	900.00	.1692	.1395	.1569	.3047-02	.2514-02	.2827-02	1.845	11.38	551.2
389	.70000	.40000	901.00	.1517	.1251	.1407	.2733-02	.2254-02	.2535-02	1.654	10.49	551.3
389	.70000	.60000	902.00	.1492	.1230	.1385	.2687-02	.2216-02	.2455-02	1.623	10.29	552.6
389	.70000	.90000	903.00	.1878	.1546	.1808	.3383-02	.2786-02	.3258-02	2.028	14.48	557.1
389	.75000	.00000	904.00	.1586	.1308	.1420	.2657-02	.2356-02	.2559-02	1.726	13.68	552.5
389	.75000	.25000-01	905.00	.3269	.2683	.2835	.5690-02	.4833-02	.5107-02	3.461	27.19	569.1
389	.75000	.50000-01	906.00	.3366	.2769	.3020	.6865-02	.4988-02	.5441-02	3.611	26.59	561.3
389	.75000	.10000+00	907.00	.2887	.2376	.2639	.5202-02	.4281-02	.4754-02	3.109	21.48	559.1
389	.75000	.20000	908.00	.1973	.1626	.1823	.3554-02	.2930-02	.3284-02	2.144	14.85	553.6
389	.75000	.30000	909.00	.1706	.1408	.1580	.3074-02	.2537-02	.2847-02	1.665	11.83	550.1

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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1RVIL391

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9T0) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	(DOT FTU/ /SEC	DTWOT DEG. R /SEC	TH DEG. R
389	.75000	.40000	910.00	.1478	.1220	.1370	.2663-02	.2197-02	.2467-02	1.614	10.54	550.6
389	.75000	.60000	911.00	.1421	.1173	.1320	.2560-02	.2113-02	.2377-02	1.555	10.47	549.3
389	.75000	.80000	912.00	.2307	.1897	.2180	.4155-02	.3417-02	.3928-02	2.473	20.22	561.6
389	.75000	.90000	913.00	.1924	.1586	.1953	.3467-02	.2857-02	.3338-02	2.087	15.16	554.6
389	.75000	.95000	914.00	.1492	.1230	.1446	.2688-02	.2217-02	.2606-02	1.625	12.22	552.2
389	.80000	.00000	915.00	.2708	.2223	.2418	.4879-02	.4004-02	.4356-02	2.870	26.32	568.4
389	.80000	.20000	916.00	.2234	.1842	.2065	.4024-02	.3318-02	.3719-02	2.430	16.84	552.8
389	.80000	.40000	917.00	.1562	.1289	.1446	.2815-02	.2322-02	.2605-02	1.704	12.20	551.2
389	.80000	.60000	918.00	.2020	.1664	.1943	.3638-02	.2997-02	.3500-02	2.185	15.86	556.1
389	.85000	.00000	919.00	.3096	.2543	.2766	.5577-02	.4581-02	.4982-02	3.296	25.94	565.7
389	.85000	.20000	920.00	.2160	.1781	.1993	.3892-02	.3208-02	.3590-02	2.347	16.78	553.7
389	.85000	.40000	921.00	.1699	.1401	.1570	.3060-02	.2524-02	.2829-02	1.850	13.68	552.3
389	.90000	.00000	922.00	.1768	.1457	.1583	.3185-02	.2625-02	.2851-02	1.917	15.17	554.7
389	.90000	.10000+00	923.00	.2398	.1977	.2200	.4320-02	.3562-02	.3964-02	2.608	19.28	553.0
389	.90000	.30000	925.00	.1903	.1569	.1757	.3423-02	.2827-02	.3166-02	2.068	14.79	553.5
389	.90000	.50000	926.00	.1684	.1389	.1558	.3034-02	.2502-02	.2808-02	1.836	13.14	551.5
389	.90000	.80000	927.00	.2641	.2173	.2492	.4758-02	.3915-02	.4490-02	2.841	22.04	559.4
389	.90000	.90000	928.00	.1928	.1588	.1859	.3473-02	.2861-02	.3349-02	2.087	16.51	555.8
389	.95000	.00000	929.00	.940-01	.7800-01	.8460-01	.1700-02	.1401-02	.1525-02	1.044	7.758	542.5
389	.95000	.50000-01	930.00	.1479	.1221	.1332	.2654-02	.2200-02	.2400-02	1.623	11.64	547.5
389	.95000	.10000+00	931.00	.1703	.1405	.1555	.3068-02	.2532-02	.2802-02	1.861	13.77	550.2
389	.95000	.20000	932.00	.1916	.1580	.1767	.3452-02	.2847-02	.3184-02	2.087	14.47	551.9
389	.95000	.30000	933.00	.1934	.1594	.1757	.3483-02	.2873-02	.3220-02	2.105	15.07	552.2
389	.95000	.50000	934.00	.1536	.1268	.1423	.2767-02	.2284-02	.2564-02	1.679	12.43	550.0
389	.95000	.70000	935.00	.2739	.2253	.2557	.4935-02	.4059-02	.4606-02	2.937	21.99	561.4
389	.95000	.80000	936.00	.2474	.2039	.2352	.4458-02	.3673-02	.4237-02	2.681	19.80	555.3
389	.95000	.90000	937.00	.1619	.1336	.1560	.2917-02	.2407-02	.2811-02	1.768	13.31	550.5

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = 15.00 SPOBRK = 40.00
BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	Y DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
372	7.940	.9768	40.10	.0000	180.0	212.4	.2300-01	1314.	96.50	1.008	3823.	.1986-04
373	7.940	.9782	40.10	.0000	180.0	210.7	.2300-01	1305.	95.90	1.000	3811.	.1983-04

RUN NUMBER	MJ LB-SEC /FT2	HREF BTU/ R	ST FR R =
372	.772-07	.2471-01	0.9175
373	.7723-07	.2458-01	.4095-01 .4096-01

TEST DATA

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAM BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TM DEG. R
373	.30000	.00000	845.00	.3990-01	.3300-01	.3580-01	.9801-03	.8119-03	.8802-03	.6170	6.873	545.1
373	.30000	.50000-01	846.00	.1451	.1196	.1308	.3567-02	.2940-02	.3216-02	2.183	24.08	562.9
373	.30000	.10000+00	847.00	.1408	.1162	.1276	.3460-02	.2856-02	.3137-02	2.135	18.17	557.8
373	.30000	.20000	848.00	.1252	.1034	.1145	.3078-02	.2542-02	.2817-02	1.906	13.62	555.7
373	.30000	.40000	850.00	.7750-01	.6350-01	.7140-01	.1904-02	.1571-02	.1755-02	1.173	8.366	559.0
373	.30000	.50000	851.00	.5830-01	.4810-01	.5410-01	.1434-02	.1183-02	.1331-02	.8800	6.477	561.4
373	.30000	.60000	852.00	.6050-01	.4930-01	.5610-01	.1487-02	.1226-02	.1379-02	.9120	6.714	561.5
373	.30000	.70000	853.00	.5210-01	.4290-01	.4840-01	.1280-02	.1055-02	.1189-02	.7850	5.592	562.6
373	.30000	.80000	854.00	.5450-01	.4500-01	.5090-01	.1341-02	.1105-02	.1252-02	.8210	6.040	566.7
373	.30000	.90000	855.00	.1342	.1105	.1282	.3293-02	.2716-02	.3151-02	2.007	14.49	566.7
373	.30000	.95000	856.00	.1083	.8930-01	.1046	.2662-02	.2195-02	.2570-02	1.638	11.68	559.5
373	.35000	.00000	857.00	.1048	.8660-01	.9400-01	.2576-02	.2129-02	.2310-02	1.600	13.64	553.7
373	.40000	.00000	858.00	.1762	.1451	.1577	.4332-02	.3566-02	.3876-02	2.633	26.36	566.9
373	.40000	.50000-01	859.00	.3414	.2804	.3019	.8391-02	.6892-02	.7421-02	5.036	35.64	574.7
373	.40000	.10000+00	860.00	.2383	.1961	.2156	.5859-02	.4821-02	.5301-02	3.552	25.22	568.6
373	.40000	.20000	861.00	.1414	.1165	.1303	.3476-02	.2863-02	.3204-02	2.121	15.59	564.2
373	.40000	.30000	862.00	.1161	.9560-01	.1076	.2853-02	.2351-02	.2646-02	1.742	12.40	564.2
373	.40000	.40000	863.00	.9740-01	.8020-01	.9040-01	.2394-02	.1972-02	.2221-02	1.463	11.13	563.5
373	.40000	.50000	864.00	.8340-01	.6880-01	.7720-01	.2050-02	.1690-02	.1898-02	1.259	8.426	560.8

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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(RVIL39)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H1GTO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAM) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTNOT DEG. R /SEC	TM DEG. R
373	.40000	.70000	865.00	.1008	.8300-01	.9350-01	.2478-02	.2041-02	.2298-02	1.512	10.10	555.0
373	.40000	.75000	866.00	.6420-01	.5290-01	.5970-01	.1577-02	.1300-02	.1469-02	.9640	7.093	563.4
373	.40000	.85000	867.00	.3199	.2621	.3021	.7863-02	.6443-02	.7426-02	4.657	34.50	582.6
373	.40000	.90000	868.00	.2677	.2196	.2576	.6580-02	.5399-02	.6331-02	3.926	33.07	578.3
373	.40000	.95000	869.00	.2439	.2003	.2366	.5995-02	.4924-02	.5815-02	3.599	28.71	574.6
373	.50000	.00000	871.00	.4818	.3934	.4290	.1184-01	.9671-02	.1054-01	6.886	55.44	593.4
373	.50000	.50000-01	872.00	.3475	.2853	.3087	.8543-02	.7012-02	.7589-02	5.108	38.60	576.9
373	.50000	.10000+00	873.00	.2110	.1738	.1325	.5187-02	.4272-02	.4732-02	3.161	23.22	565.5
373	.50000	.20000	874.00	.1444	.1190	.1334	.3549-02	.2925-02	.3280-02	2.173	15.47	562.8
373	.50000	.30000	875.00	.1089	.8980-01	.1009	.2677-02	.2207-02	.2479-02	1.641	11.69	561.8
373	.50000	.40000	876.00	.9490-01	.7820-01	.8800-01	.2333-02	.1923-02	.2163-02	1.430	10.18	562.1
373	.50000	.50000	877.00	.8700-01	.7170-01	.8070-01	.2139-02	.1763-02	.1985-02	1.308	9.022	563.2
373	.50000	.60000	878.00	.3428	.2810	.3179	.8427-02	.6906-02	.7815-02	4.995	38.31	582.2
373	.55000	.00000	879.00	.6144	.4947	.5425	.1510-01	.1216-01	.1333-01	8.152	66.78	635.1
373	.60000	.00000	880.00	.5622	.4535	.4970	.1382-01	.1115-01	.1222-01	7.530	66.98	630.1
373	.60000	.00000	881.00	.6971	.5578	.5936	.1689-01	.1371-01	.1459-01	9.515	70.68	611.5
373	.60000	.25000-01	882.00	.3718	.3036	.3301	.9139-02	.7462-02	.8115-02	5.309	50.16	594.0
373	.60000	.50000-01	883.00	.3761	.3081	.3404	.9246-02	.7573-02	.8367-02	5.464	39.78	583.9
373	.60000	.75000-01	884.00	.2859	.2351	.2677	.7027-02	.5779-02	.6432-02	4.249	30.13	570.3
373	.60000	.10000+00	885.00	.1742	.1436	.1613	.4281-02	.3530-02	.3965-02	2.625	18.70	561.7
373	.60000	.20000	886.00	.1538	.1267	.1424	.3781-02	.3114-02	.3500-02	2.306	15.40	565.0
373	.60000	.30000	887.00	.1358	.1119	.1256	.3339-02	.2750-02	.3088-02	2.037	14.03	564.8
373	.60000	.40000	888.00	.1180	.9720-01	.1094	.2901-02	.2390-02	.2690-02	1.772	12.22	562.9
373	.60000	.50000	889.00	.1081	.8910-01	.1003	.2657-02	.2190-02	.2466-02	1.626	11.22	562.9
373	.60000	.60000	891.00	.2287	.1877	.2161	.5622-02	.4613-02	.5312-02	3.356	24.50	578.0
373	.60000	.85000	892.00	.2684	.2204	.2549	.6596-02	.5418-02	.6265-02	3.958	28.46	575.0
373	.60000	.90000	893.00	.2774	.2279	.2675	.6818-02	.5603-02	.6577-02	4.106	30.57	572.7
373	.60000	.95000	894.00	.2479	.2040	.2406	.6095-02	.5015-02	.5913-02	3.685	27.56	568.6
373	.65000	.00000	895.00	.3523	.2873	.3135	.8560-02	.7063-02	.7705-02	5.000	41.72	597.5
373	.70000	.00000	896.00	.1541	.1266	.1377	.3788-02	.3111-02	.3384-02	2.272	29.31	575.2
373	.70000	.25000-01	897.00	.2462	.2024	.2141	.6052-02	.4974-02	.5262-02	3.647	33.38	572.2
373	.70000	.10000+00	898.00	.2571	.2116	.2350	.6321-02	.5202-02	.5776-02	3.838	26.40	567.8
373	.70000	.20000	899.00	.2069	.1706	.1910	.5086-02	.4194-02	.4696-02	3.121	19.14	561.4
373	.70000	.30000	900.00	.1661	.1370	.1540	.4002-02	.3367-02	.3786-02	2.508	15.39	560.5
373	.70000	.40000	901.00	.1474	.1215	.1367	.3623-02	.2987-02	.3359-02	2.221	14.01	561.9
373	.70000	.50000	902.00	.1499	.1253	.1390	.3684-02	.3033-02	.3417-02	2.241	14.10	566.6
373	.70000	.60000	903.00	.2009	.1653	.1334	.4939-02	.4063-02	.4754-02	2.991	21.22	569.3
373	.75000	.00000	904.00	.1931	.1592	.1730	.4747-02	.4063-02	.4251-02	2.912	22.97	561.5
373	.75000	.25000-01	905.00	.3266	.2676	.2828	.8027-02	.6577-02	.6951-02	4.751	37.07	583.1
373	.75000	.50000-01	906.00	.3356	.2758	.3009	.8250-02	.6780-02	.7397-02	4.966	36.35	572.9
373	.75000	.10000+00	907.00	.2874	.2364	.2625	.7064-02	.5810-02	.6453-02	4.272	29.36	570.1
373	.75000	.20000	908.00	.1957	.1613	.1808	.4811-02	.3966-02	.4444-02	2.948	20.34	562.1
373	.75000	.30000	909.00	.1691	.1395	.1566	.4157-02	.3430-02	.3849-02	2.560	16.17	559.1

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L39)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TM DEG. R
373	.75000	.40000	910.00	.1477	.1193	.1340	.3556-02	.2933-02	.3293-02	2.184	14.19	560.8
373	.75000	.60000	911.00	.1420	.1171	.1318	.3491-02	.2878-02	.3240-02	2.140	14.36	561.9
373	.75000	.80000	912.00	.2346	.1924	.2215	.5766-02	.4729-02	.5445-02	3.435	27.85	579.2
373	.75000	.90000	913.00	.1944	.1601	.1871	.4779-02	.3934-02	.4599-02	2.908	21.01	566.2
373	.80000	.95000	914.00	.1346	.1109	.1305	.3309-02	.2726-02	.3207-02	2.020	15.10	564.5
373	.80000	.00000	915.00	.2606	.2136	.2326	.6407-02	.5250-02	.5716-02	3.794	34.55	582.7
373	.80000	.20000	916.00	.1731	.1427	.1599	.4254-02	.3507-02	.3931-02	2.607	17.99	562.1
373	.80000	.40000	917.00	.1510	.1245	.1397	.3712-02	.3061-02	.3434-02	2.277	16.22	561.5
373	.80000	.60000	918.00	.2047	.1684	.1969	.5033-02	.4140-02	.4839-02	3.048	21.98	569.3
373	.85000	.00000	919.00	.2958	.2426	.2641	.7272-02	.5964-02	.6492-02	4.329	33.83	579.7
373	.85000	.20000	920.00	.2013	.1659	.1856	.4947-02	.4078-02	.4562-02	3.032	21.59	562.1
373	.85000	.40000	921.00	.1655	.1364	.1529	.4308-02	.3354-02	.3759-02	2.494	18.36	561.8
373	.90000	.00000	922.00	.1705	.1406	.1527	.4182-02	.3456-02	.3754-02	2.567	20.24	562.6
373	.90000	.20000	923.00	.2186	.1802	.2005	.5374-02	.4429-02	.4929-02	3.290	24.21	562.4
373	.90000	.30000	925.00	.1909	.1573	.1762	.4632-02	.3867-02	.4331-02	2.874	20.46	562.4
373	.90000	.50000	926.00	.1672	.1379	.1547	.4110-02	.3389-02	.3802-02	2.522	17.97	561.2
373	.90000	.70000	927.00	.3297	.2704	.3108	.8103-02	.6647-02	.7639-02	4.826	37.06	579.3
373	.90000	.90000	928.00	.2322	.1909	.2237	.5708-02	.4693-02	.500-02	3.446	27.04	571.2
373	.95000	.00000	929.00	.9210-01	.7630-01	.8270-01	.2264-02	.1875-02	.23-02	1.423	10.55	546.4
373	.95000	.10000-01	930.00	.1504	.1243	.1355	.3697-02	.3054-02	.37-02	2.293	13.39	554.8
373	.95000	.20000	931.00	.1680	.1387	.1535	.4130-02	.3410-02	.37-02	2.551	18.82	557.3
373	.95000	.30000	932.00	.1849	.1526	.1706	.4546-02	.3751-02	.415-02	2.799	19.34	559.2
373	.95000	.40000	933.00	.1904	.1570	.1759	.4679-02	.3859-02	.4325-02	2.873	20.47	560.8
373	.95000	.50000	934.00	.1543	.1273	.1430	.3794-02	.3130-02	.3514-02	2.334	17.20	559.6
373	.95000	.70000	935.00	.3479	.2850	.3242	.8552-02	.7007-02	.7969-02	5.061	37.48	583.2
373	.95000	.80000	936.00	.2983	.2451	.2832	.7332-02	.6025-02	.6962-02	4.413	32.29	573.1
373	.95000	.90000	937.00	.1932	.1592	.1860	.4748-02	.3914-02	.4573-02	2.908	21.76	562.5

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41E-57A (OH-498) COLLATION DECK

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(RVIL40)

LOWER WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = -7.000 SPOBRK = 40.00
 BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
390	7.900	.5489	19.99	.0000	180.0	113.0	.1300-01	1278.	94.80	.5490	3768.	.1111-04
391	7.900	.5493	19.97	.0000	180.0	113.1	.1300-01	1278.	94.80	.5490	3769.	.1112-04
392	7.900	.5402	19.98	.0000	180.0	111.6	.1200-01	1281.	95.00	.5420	3773.	.1095-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =	HREF BTU/ R
390	.7632-07	0.0175	.5458-01	
391	.7631-07		.5455-01	
392	.7649-07		.5510-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (YAH)	H1GTO1 BTU/ R FT2SEC	H1TO1 BTU/ R FT2SEC	H1TAH1 BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	OTWOT DEG. R /SEC	TH DEG. R
392	.30000	.00000	845.00	.3560-01	.2950-01	.3010-01	.6416-03	.5311-03	.5425-03	.3950	4.414	537.3
392	.30000	.50000-01	846.00	.1054	.8700-01	.1036	.1900-02	.1569-02	.1868-02	1.153	12.82	546.3
392	.30000	.10000+00	847.00	.8120-01	.6710-01	.8030-01	.1464-02	.1210-02	.1447-02	.8940	7.672	541.8
392	.30000	.20000	848.00	.8250-01	.6830-01	.8230-01	.1488-02	.1231-02	.1484-02	.9120	6.554	540.1
392	.30000	.40000	850.00	.5440-01	.4500-01	.5470-01	.9814-03	.8117-03	.9867-03	.6010	4.331	540.0
392	.30000	.50000	851.00	.4000-01	.3300-01	.4050-01	.7204-03	.5958-03	.7294-03	.4420	3.285	539.9
392	.30000	.60000	852.00	.3670-01	.3040-01	.3710-01	.6616-03	.5474-03	.6696-03	.4060	3.026	538.6
392	.30000	.70000	853.00	.3150-01	.2600-01	.3190-01	.5671-03	.4694-03	.5748-03	.3490	2.517	537.3
392	.30000	.80000	854.00	.2870-01	.2380-01	.2930-01	.5183-03	.4292-03	.5279-03	.3200	2.385	535.7
392	.30000	.90000	855.00	.9500-02	.7900-02	.9900-02	.1715-03	.1423-03	.1780-03	.1070	.7860	530.0
392	.30000	.95000	856.00	.8800-02	.7300-02	.9200-02	.1593-03	.1322-03	.1667-03	.9900-01	.7200	529.1
392	.40000	.00000	857.00	.9560-01	.7900-01	.8070-01	.1724-02	.1425-02	.1455-02	1.052	9.017	542.7
392	.40000	.00000	858.00	.2057	.1692	.1730	.3708-02	.3051-02	.3118-02	2.205	22.18	558.1
392	.40000	.50000-01	859.00	.3459	.2847	.3332	.6236-02	.5132-02	.6007-02	3.714	26.52	557.2
392	.40000	.10000+00	860.00	.1935	.1596	.1911	.3488-02	.2877-02	.3445-02	2.104	15.08	549.6
392	.40000	.20000	861.00	.9450-01	.7810-01	.9510-01	.1704-02	.1408-02	.1715-02	1.038	7.707	543.9
392	.40000	.30000	862.00	.7240-01	.5890-01	.7330-01	.1306-02	.1079-02	.1322-02	.7980	5.739	541.9

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AEDC VKF V41B-57A (04-498) COLLATION DECK

04-498 (AEDC V41B-57A) ORBITER LOWER WING

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(RV140)

RUN NUMBER	2Y/8	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAN)	H(9T) BTU/ R FT/SEC	H(10) BTU/ R FT/SEC	H(11) BTU/ R FT/SEC	QDOT BTU/ FT/SEC	DT/OT DEG. R /SEC	TW DEG. R
392	.40000	.40000	863.00	.6100-01	.5050-01	.6180-01	.1100-02	.9099-03	.1114-02	.6740	5.188	540.1
392	.40000	.60000	864.00	.5980-01	.4950-01	.6040-01	.1077-02	.8919-03	.1088-02	.6630	4.495	537.0
392	.40000	.70000	865.00	.5900-01	.4880-01	.5970-01	.1064-02	.8807-03	.1077-02	.6550	4.437	537.2
392	.40000	.75000	866.00	.5000-01	.4140-01	.5080-01	.9013-03	.7464-03	.9155-03	.5560	4.146	535.9
392	.40000	.85000	867.00	.2500-01	.2070-01	.2580-01	.4512-03	.3741-03	.4647-03	.2800	2.132	531.2
392	.40000	.90000	868.00	.1770-01	.1470-01	.1850-01	.3197-03	.2651-03	.3338-03	.1990	1.717	530.3
392	.40000	.95000	869.00	.1410-01	.1170-01	.1480-01	.2539-03	.2107-03	.2666-03	.1580	1.293	529.0
392	.50000	.00000	871.00	.5833	.4757	.4866	.1052-01	.8576-02	.8773-02	5.951	48.06	587.0
392	.50000	.10000-01	872.00	.3054	.2515	.2959	.5506-02	.4534-02	.5335-02	3.288	25.11	555.7
392	.50000	.10000+00	873.00	.1630	.1345	.1613	.2938-02	.2425-02	.2926-02	1.780	13.20	547.0
392	.50000	.20000	874.00	.1157	.9560-01	.1167	.2086-02	.1724-02	.2104-02	1.273	9.157	542.5
392	.50000	.30000	875.00	.9930-01	.8210-01	.1004	.1791-02	.1480-02	.1810-02	1.093	7.860	542.6
392	.50000	.40000	876.00	.9050-01	.7490-01	.9160-01	.1632-02	.1350-02	.1651-02	.9980	7.185	541.2
392	.50000	.50000	877.00	.7120-01	.5890-01	.7200-01	.1283-02	.1061-02	.1299-02	.7880	5.502	538.5
392	.50000	.60000	878.00	.1810-01	.1500-01	.1840-01	.3269-03	.2712-03	.3315-03	.2040	1.606	529.2
392	.55000	.00000	879.00	.5956	.4822	.4937	.1774-01	.8695-02	.3901-02	5.851	48.57	607.9
392	.60000	.00000	880.00	.4166	.3391	.3470	.7510-02	.6113-02	.6255-02	4.210	38.15	573.4
392	.60000	.25000-01	881.00	.4726	.3870	.4460	.8520-02	.6977-02	.8041-02	4.936	37.37	592.2
392	.60000	.50000-01	882.00	.2503	.2058	.2432	.4513-02	.3710-02	.4385-02	2.671	25.66	560.8
392	.60000	.75000-01	883.00	.2482	.2045	.2459	.4476-02	.3686-02	.4433-02	2.678	19.78	554.5
392	.60000	.10000+00	884.00	.1812	.1495	.1812	.3266-02	.2696-02	.3267-02	1.978	14.19	547.3
392	.60000	.20000	885.00	.8480-01	.7010-01	.8570-01	.1528-02	.1265-02	.1545-02	.9380	6.760	539.0
392	.60000	.30000	886.00	.6750-01	.5590-01	.6520-01	.1217-02	.1007-02	.1230-02	.7490	5.069	537.8
392	.60000	.40000	887.00	.6700-01	.5550-01	.6770-01	.1209-02	.1000-02	.1220-02	.7440	5.196	537.3
392	.60000	.50000	888.00	.6230-01	.5160-01	.6310-01	.1124-02	.9303-03	.1137-02	.6920	4.834	537.1
392	.60000	.60000	889.00	.5940-01	.4920-01	.6010-01	.1071-02	.8865-03	.1084-02	.6600	4.616	535.9
392	.60000	.80000	891.00	.2240-01	.1860-01	.2310-01	.4037-03	.3348-03	.4158-03	.2510	1.878	530.7
392	.60000	.85000	892.00	.2160-01	.1790-01	.2230-01	.3895-03	.3231-03	.4027-03	.2430	1.785	529.8
392	.60000	.90000	893.00	.1740-01	.1450-01	.1320-01	.3143-03	.2608-03	.3287-03	.1960	1.494	528.2
392	.60000	.95000	894.00	.1220-01	.1010-01	.1280-01	.2191-03	.1819-03	.2301-03	.1370	1.044	527.4
392	.65000	.00000	895.00	.3513	.2868	.2334	.6333-02	.5171-02	.5289-02	3.610	30.34	582.8
392	.70000	.00000	896.00	.1852	.1518	.1552	.3339-02	.2737-02	.2799-02	2.513	25.15	570.5
392	.70000	.25000-01	897.00	.2332	.1921	.2198	.4205-02	.3463-02	.3962-02	2.513	23.19	555.2
392	.70000	.10000+00	898.00	.1597	.1319	.1594	.2879-02	.2378-02	.2873-02	1.750	12.18	544.9
392	.70000	.20000	899.00	.1108	.9170-01	.1117	.1998-02	.1653-02	.2013-02	1.225	7.593	540.0
392	.70000	.30000	900.00	.6380-01	.6930-01	.8470-01	.1510-02	.1250-02	.1528-02	.9300	5.774	537.1
392	.70000	.40000	901.00	.9330-01	.7720-01	.9440-01	.1683-02	.1392-02	.1702-02	1.034	6.603	538.1
392	.70000	.60000	902.00	.9980-01	.8250-01	.1010	.1798-02	.1488-02	.1821-02	1.105	7.056	538.2
392	.70000	.80000	903.00	.1840-01	.1520-01	.1920-01	.3311-03	.2748-03	.3457-03	.2070	1.499	528.1
392	.75000	.00000	904.00	.2631	.2173	.2220	.4744-02	.3918-02	.4003-02	2.883	22.93	545.0
392	.75000	.25000-01	905.00	.3783	.3100	.3551	.6821-02	.5589-02	.6402-02	3.963	31.09	571.8
392	.75000	.50000-01	906.00	.2895	.2387	.2833	.5220-02	.4303-02	.5108-02	2.138	23.21	551.7
392	.75000	.10000+00	907.00	.1999	.1650	.1995	.3603-02	.2974-02	.3596-02	2.182	15.17	547.2

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CH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (YAN)	H(10) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TH DEG. R
392	75000	20000	908.00	.1375	.8890-01	.1083	.1938-02	.1603-02	.1953-02	1.189	8.294	539.4
392	75000	30000	909.00	.7840-01	.6490-01	.7920-01	.1413-02	.1170-02	.1427-02	.8720	5.572	535.8
392	75000	40000	910.00	.6620-01	.5480-01	.6690-01	.1193-02	.9881-03	.1206-02	.7360	4.847	535.5
392	75000	60000	911.00	.5440-01	.4320-01	.6010-01	.1071-02	.8872-03	.1084-02	.6630	4.500	533.6
392	75000	80000	912.00	.3270-01	.2720-01	.3370-01	.5903-03	.4896-03	.6078-03	.3670	3.053	530.4
392	75000	90000	913.00	.2320-01	.1930-01	.2420-01	.4185-03	.3473-03	.4368-03	.2610	1.926	528.0
392	75000	95000	914.00	.1550-01	.1290-01	.630-01	.2800-03	.2324-03	.2938-03	.1750	1.334	527.3
392	80000	00600	915.00	.3421	.2798	.2862	.6168-02	.5045-02	.5159-02	3.547	32.38	577.7
392	80000	20000	916.00	.1048	.8670-01	.1057	.1890-02	.1564-02	.1906-02	1.160	8.099	538.8
392	80000	40000	917.00	.8220-01	.6810-01	.8300-01	.1482-02	.1227-02	.1496-02	.9130	6.584	536.9
392	80000	60000	918.00	.1820-01	.1510-01	.900-01	.3275-03	.2718-03	.3417-03	.2050	1.508	527.5
392	85000	00000	919.00	.4102	.3355	.3431	.396-02	.6049-02	.6136-02	4.253	33.28	539.2
392	85000	20000	920.00	.1340	.1109	.1349	.215-02	.1999-02	.2431-02	1.482	10.68	537.4
392	85000	40000	921.00	.9850-01	.8150-01	.9330-01	.111-02	.1470-02	.1791-02	2.717	8.142	537.4
392	90000	00000	922.00	.2538	.2087	.2134	.4513-02	.3763-02	.3847-02	2.717	21.45	559.0
392	90000	10000+00	923.00	.1872	.1547	.1874	.3375-02	.2789-02	.3379-02	2.059	15.30	542.8
392	90000	30000	925.00	.1180	.9760-01	.1189	.2127-02	.1760-02	.2143-02	1.306	9.407	539.0
392	90000	50000	926.00	.9730-01	.8050-01	.9820-01	.1754-02	.1452-02	.1770-02	1.079	7.780	537.5
392	90000	80000	927.00	.5090-01	.4220-01	.5230-01	.9177-03	.7611-03	.9434-03	.5710	4.498	530.2
392	90000	90000	928.00	.3670-01	.2550-01	.3210-01	.5538-03	.4594-03	.5787-03	.3450	2.770	529.0
392	95000	00000	929.00	.1557	.1286	.1314	.2807-02	.2319-02	.2369-02	1.709	12.69	547.9
392	95000	50000-01	930.00	.1936	.1598	.1899	.3490-02	.2862-02	.3424-02	2.117	15.20	546.1
392	95000	10000+00	931.00	.1728	.1428	.1721	.3115-02	.2574-02	.3102-02	1.899	14.11	543.3
392	95000	20000	932.00	.1475	.1220	.1484	.2659-02	.2199-02	.2676-02	1.629	11.37	540.1
392	95000	30000	933.00	.1326	.1097	.1337	.2390-02	.1978-02	.2410-02	1.468	10.58	538.7
392	95000	50000	934.00	.8610-01	.7130-01	.8700-01	.1552-02	.1285-02	.1568-02	.9570	7.133	536.3
392	95000	70000	935.00	.4350-01	.3610-01	.4430-01	.7845-03	.6505-03	.7991-03	.4980	3.706	531.3
392	95000	80000	936.00	.4400-01	.3650-01	.4550-01	.7934-03	.6581-03	.8201-03	.4940	3.697	529.8
392	95000	90000	937.00	.2890-01	.2400-01	.3020-01	.5215-03	.4327-03	.5445-03	.3260	2.480	528.2

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LOWER WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L40)

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = -7.000 SPOBRK = 40.00
BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RM/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RND SLUGS /FT ³
399	7.940	1.025	19.99	.0000	180.0	211.2	.2300-01	1267.	93.10	1.003	3754.	.2047-04
400	7.940	1.013	19.99	.0000	180.0	209.3	.2300-01	1270.	93.30	.9940	3758.	.2025-04
401	7.940	1.013	19.99	.0000	180.0	209.9	.2300-01	1272.	93.50	.9970	3761.	.2027-04

RUN NUMBER	MU	LB-SEC /FT ²	ST FR R =
399	.7497-07	.2448-01	0.0175
400	.7512-07	.2438-01	.4018-01
401	.7525-07	.2442-01	.4041-01
			.4040-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AM) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
401	.30000	.00000	845.00	.3710-01	.3060-01	.3130-01	.9058-03	.7479-03	.7642-03	.5460	6.085	542.2
401	.30000	.50000-01	846.00	.1045	.8590-01	.1027	.2551-02	.2099-02	.2507-02	1.505	16.68	554.8
401	.30000	.10000+00	847.00	.8660-01	.7130-01	.8550-01	.2114-02	.1742-02	.2089-02	1.260	10.77	548.6
401	.30000	.20000	848.00	.8230-01	.6790-01	.8200-01	.2009-02	.1657-02	.2004-02	1.204	8.647	545.4
401	.30000	.40000	850.00	.5000-01	.4120-01	.5020-01	.1220-02	.1006-02	.1227-02	.7310	5.248	545.7
401	.30000	.50000	851.00	.3830-01	.3160-01	.3880-01	.9364-03	.7725-03	.9483-03	.5610	4.166	545.3
401	.30000	.60000	852.00	.3640-01	.3000-01	.3680-01	.8886-03	.7333-03	.8995-03	.5340	3.963	544.1
401	.30000	.70000	853.00	.3020-01	.2490-01	.3060-01	.7380-03	.6092-03	.7481-03	.4440	3.193	542.9
401	.30000	.80000	854.00	.3020-01	.2500-01	.3080-01	.7387-03	.6101-03	.7526-03	.4460	3.313	541.5
401	.30000	.90000	855.00	.9500-02	.7900-02	.9900-02	.2326-03	.1925-03	.2415-03	.1420	1.044	533.3
401	.30000	.00000	856.00	.9300-02	.7700-02	.9700-02	.2258-03	.1877-03	.2373-03	.1390	1.003	532.8
401	.35000	.00000	857.00	.9500-01	.7830-01	.8000-01	.2320-02	.1912-02	.1954-02	1.381	11.80	549.5
401	.40000	.00000	858.00	.2073	.1697	.1736	.5063-02	.4145-02	.4239-02	2.508	29.06	570.4
401	.40000	.50000-01	859.00	.3442	.2818	.3312	.8406-02	.6883-02	.8088-02	4.833	34.29	569.8
401	.40000	.10000+00	860.00	.1950	.1603	.1925	.4762-02	.3914-02	.4702-02	2.798	19.97	557.1
401	.40000	.20000	861.00	.8960-01	.7380-01	.9020-01	.2189-02	.1803-02	.2203-02	1.301	9.635	550.2
401	.40000	.30000	862.00	.6860-01	.5670-01	.6950-01	.1680-02	.1384-02	.1700-02	1.002	7.183	548.4

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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(RVIL40)

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AEDC VKF V41B-57A (CH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(1AM) BTU/R FT2SEC	QDOT BTU/R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
401	40000	40000	863.00	5420-01	4470-01	5490-01	1324-02	1092-02	1340-02	7920	6.078	546.2
401	40000	60000	864.00	5870-01	4850-01	5930-01	1433-02	1184-02	1448-02	8630	5.834	542.3
401	40000	70000	865.00	5450-01	4500-01	5520-01	1332-02	1100-02	1349-02	8020	5.416	542.9
401	40000	75000	866.00	4610-01	3810-01	4680-01	1125-02	9294-03	1143-02	6790	5.046	541.7
401	40000	80000	867.00	2300-01	1910-01	2370-01	5625-03	4653-03	5793-03	3430	2.598	535.6
401	40000	85000	868.00	1540-01	1270-01	1610-01	3757-03	3110-03	3926-03	2290	1.976	534.0
401	40000	90000	869.00	1230-01	1020-01	1300-01	3012-03	2494-03	3165-03	1840	1.503	532.5
401	50000	00000	871.00	5593	4521	4630	1366-01	1104-01	1131-01	7.331	58.59	608.1
401	50000	00000	872.00	2968	2432	2873	7249-02	5941-02	7018-02	4.188	31.81	566.9
401	50000	10000+00	873.00	1654	1361	1647	4040-02	3324-02	4023-02	2.388	17.65	553.6
401	50000	20000	874.00	1189	9800-01	1200	2905-02	2393-02	2930-02	1.727	12.37	550.2
401	50000	30000	875.00	1064	8770-01	1076	2600-02	2142-02	2628-02	1.547	11.09	549.6
401	50000	40000	876.00	9270-01	7640-01	9380-01	2264-02	1866-02	2290-02	1.351	9.694	547.7
401	50000	50000	877.00	7560-01	6230-01	7650-01	1845-02	1522-02	1869-02	1.105	7.687	545.8
401	50000	60000	878.00	1620-01	1340-01	1650-01	368-03	3284-03	4024-03	2420	1.905	533.8
401	55000	00000	879.00	5420	4355	4462	1324-01	1064-01	1090-01	6.886	56.70	624.5
401	60000	00000	880.00	4243	3422	3505	1036-01	8357-02	8559-02	5.490	49.20	615.0
401	60000	00000	881.00	4734	3650	4458	1156-01	9403-02	1089-01	6.403	48.05	590.9
401	60000	25000-01	882.00	2581	2110	2505	6303-02	5153-02	6119-02	3.594	34.28	574.5
401	60000	50000-01	883.00	2585	2119	2560	6314-02	5176-02	6251-02	3.651	26.81	566.4
401	60000	10000+00	884.00	1908	1569	1908	4661-02	3832-02	4631-02	2.743	19.59	556.2
401	60000	20000	885.00	9810-01	8090-01	9920-01	2397-02	1977-02	2423-02	1.435	10.30	546.0
401	60000	30000	886.00	7020-01	5800-01	7100-01	1715-02	1115-02	1733-02	1.030	6.952	544.3
401	60000	40000	887.00	5540-01	4580-01	5600-01	1354-02	1118-02	1367-02	8150	5.674	543.2
401	60000	50000	888.00	5740-01	4730-01	5810-01	1401-02	1156-02	1418-02	8420	5.862	543.8
401	60000	60000	889.00	5540-01	4570-01	5610-01	1353-02	1117-02	1370-02	8140	5.671	542.8
401	60000	80000	891.00	2150-01	1780-01	2220-01	5259-03	4351-03	5419-03	3210	2.391	535.2
401	60000	85000	892.00	2170-01	1790-01	2240-01	5293-03	4381-03	5476-03	3230	2.374	533.8
401	60000	90000	893.00	1620-01	1340-01	1700-01	3966-03	3284-03	4150-03	2430	1.845	532.4
401	60000	95000	894.00	1070-01	8900-02	1130-01	2621-03	2171-03	2753-03	1610	1.222	531.1
401	65000	00000	895.00	3444	2791	2857	8411-02	6816-02	6978-02	4.573	38.09	600.9
401	70000	00000	896.00	1824	1486	1520	4455-02	3629-02	3713-02	2.488	31.92	586.3
401	70000	25000-01	897.00	2258	1931	2124	5514-02	4520-02	5188-02	3.188	29.26	566.5
401	70000	10000+00	898.00	1532	1261	1529	3741-02	3080-02	3733-02	2.215	15.35	552.7
401	70000	20000	899.00	1064	8780-01	1072	1993-02	2143-02	2618-02	1.557	9.625	545.7
401	70000	30000	900.00	8160-01	6740-01	8260-01	2006-02	1645-02	2017-02	1.198	7.414	543.7
401	70000	40000	901.00	8210-01	6780-01	8310-01	2006-02	1655-02	2029-02	1.205	7.673	543.7
401	70000	60000	902.00	1118	9220-01	1132	2731-02	2252-02	2765-02	1.635	10.39	546.1
401	70000	90000	903.00	1850-01	1540-01	1940-01	4529-03	3750-03	4732-03	2770	2.003	532.8
401	75000	00000	904.00	2596	2132	2180	6339-02	5208-02	5324-02	3.711	29.30	559.4
401	75000	25000-01	905.00	3783	3079	3542	9239-02	7519-02	8651-02	5.137	29.97	588.7
401	75000	50000-01	906.00	2839	2330	2776	6933-02	5691-02	6781-02	4.038	29.12	562.2
401	75000	10000+00	907.00	1966	1617	1962	4801-02	3950-02	4791-02	2.835	19.63	554.3

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
401	75000	.20000	908.00	.1025	.8450-01	.1033	.2503-02	.2064-02	.2523-02	1.498	10.42	546.2
401	.5000	.30000	909.00	.7730-01	.6380-01	.7810-01	.1888-02	.1559-02	.1907-02	1.138	7.255	541.8
401	75000	.40000	910.00	.7180-01	.5930-01	.7250-01	.1733-02	.1448-02	.1772-02	1.055	6.920	542.8
401	75000	.60000	911.00	.6850-01	.5650-01	.6930-01	.1672-02	.1361-02	.1693-02	1.009	6.824	541.0
401	75000	.80000	912.00	.2940-01	.2430-01	.3030-01	.7194-03	.5944-03	.7400-03	.4389	3.629	535.3
401	75000	.90000	913.00	.2150-01	.1780-01	.2250-01	.5251-03	.4343-03	.5484-03	.3220	2.365	532.0
401	75000	.95000	914.00	.1580-01	.1310-01	.1660-01	.3854-03	.3192-03	.4044-03	.2360	1.797	531.4
401	80000	.00000	915.00	.3451	.2800	.2866	.8428-02	.6840-02	.7001-02	4.616	41.73	597.1
401	80000	.20000	916.00	.1289	.1062	.1300	.3147-02	.2594-02	.3174-02	1.875	17.02	548.8
401	80000	.40000	917.00	.8540-01	.7050-01	.8620-01	.2085-02	.1721-02	.2105-02	1.254	9.014	543.3
401	6.000	.90000	918.00	.2640-01	.2180-01	.2750-01	.6439-03	.5330-03	.6722-03	.3940	2.892	533.1
401	85000	.00000	919.00	.4117	.3341	.3420	.1006-01	.8161-02	.8353-02	5.507	42.67	597.1
401	85000	.20000	920.00	.1223	.1008	.1231	.2988-02	.2462-02	.3007-02	1.781	12.77	548.4
401	85000	.40000	921.00	.9730-01	.8030-01	.9810-01	.2375-02	.1960-02	.2396-02	1.426	10.59	544.4
401	90000	.00000	922.00	.2514	.2057	.2104	.6141-02	.5024-02	.5139-02	3.514	27.57	572.4
401	90000	.10000+00	923.00	.1851	.1524	.1854	.4522-02	.3723-02	.4527-02	2.681	19.83	551.8
401	90000	.30000	925.00	.1292	.1066	.1302	.3156-02	.2603-02	.3180-02	1.890	13.57	546.0
401	90000	.50000	926.00	.5930-01	.8190-01	1.002	.2423-02	.2000-02	.2446-02	1.456	10.47	543.8
401	90000	.80000	927.00	.4270-01	.3530-01	.4390-01	.1042-02	.8628-03	.1072-02	.6360	4.994	534.7
401	90000	.90000	928.00	.3080-01	.2550-01	.3220-01	.7525-03	.6228-03	.7868-03	.4600	3.676	533.8
401	95000	.00000	929.00	.1562	.1285	.1314	.3814-02	.3140-02	.3209-02	2.258	16.69	552.7
401	95000	.50000-01	930.00	.1904	.1567	.1867	.4351-02	.3827-02	.4560-02	2.746	19.64	554.2
401	95000	.10000+00	931.00	.1712	.1410	.1705	.4182-02	.3445-02	.4164-02	2.485	18.39	550.6
401	95000	.20000	932.00	.1551	.1278	.1561	.3788-02	.3122-02	.3812-02	2.260	15.70	548.0
401	95000	.30000	933.00	.1264	.1043	.1275	.3088-02	.2546-02	.3114-02	1.848	13.26	546.3
401	95000	.50000	934.00	.8610-01	.7110-01	.8700-01	.2103-02	.1736-02	.2125-02	1.266	9.411	542.4
401	95000	.70000	935.00	.4470-01	.3700-01	.4550-01	.1092-02	.9032-03	.1112-02	.6640	5.034	536.6
401	95000	.80000	936.00	.4130-01	.3420-01	.4270-01	.1003-02	.8342-03	.1042-02	.6150	4.589	534.6
401	95000	.90000	937.00	.2900-01	.2400-01	.3030-01	.7081-03	.5862-03	.7398-03	.4330	3.291	532.8

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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PARAMETRIC DATA

ALPHA = 23.00 BETA = .0000 ELEVR = -7.000 SPOBRK = 40.00
BCFLAP = 15.00 MACH = 2.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T C-G. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
408	7.980	1.976	19.97	.0000	180.0	429.0	.4500-01	1300.	94.70	1.991	3804.	.3959-04
409	7.980	1.971	19.97	.0000	180.0	429.4	.4500-01	1303.	94.90	1.993	3809.	.3953-04
410	7.980	1.990	19.97	.0000	180.0	430.4	.4500-01	1297.	94.40	1.997	3795.	.3982-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
408	.7621-07	.3465-01	0.0175
409	.7640-07	.3468-01	.2897-01
410	.7601-07	.3469-01	.2900-01
			.2888-01

TEST DATA

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
410	.30000	.00000	845.00	.3810-01	.3150-01	.3220-01	.1322-02	.1093-02	.1116-02	.8170	9.077	549.2
410	.30000	.50000-01	846.00	.1044	.8580-01	.1026	.3621-02	.2977-02	.3559-02	2.170	23.88	568.0
410	.30000	.10000+00	847.00	.9010-01	.7420-01	.8900-01	.3125-02	.2573-02	.3088-02	1.890	16.05	562.3
410	.30000	.20000	848.00	.8170-01	.6740-01	.8150-01	.2834-02	.2337-02	.2827-02	1.730	12.35	556.7
410	.30000	.40000	850.00	.4630-01	.3820-01	.4650-01	.1605-02	.1324-02	.1614-02	.9800	7.000	556.6
410	.30000	.50000	851.00	.3590-01	.3050-01	.3740-01	.1281-02	.1057-02	.1298-02	.7830	5.779	556.1
410	.30000	.60000	852.00	.3700-01	.3050-01	.3740-01	.1282-02	.1058-02	.1298-02	.7850	5.801	554.7
410	.30000	.70000	853.00	.3250-01	.2690-01	.3300-01	.1129-02	.9318-03	.1144-02	.6930	4.958	553.0
410	.30000	.80000	854.00	.3870-01	.3200-01	.3940-01	.1343-02	.1109-02	.1368-02	.8270	6.117	551.5
410	.30000	.90000	855.00	.1190-01	.9900-02	.1240-01	.4138-03	.3431-03	.4296-03	.2600	1.907	538.1
410	.30000	.95000	856.00	.1110-01	.9200-02	.1160-01	.3852-03	.3193-03	.4030-03	.2420	1.745	538.4
410	.35000	.00000	857.00	.9440-01	.7770-01	.7950-01	.3275-02	.2697-02	.2755-02	1.982	16.84	561.8
410	.40000	.00000	858.00	.2089	.1704	.1743	.7245-02	.5911-02	.6047-02	4.161	41.12	592.9
410	.40000	.50000-01	859.00	.3450	.2814	.3317	.1197-01	.9763-02	.1151-01	6.867	48.15	593.5
410	.40000	.10000+00	860.00	.1913	.1570	.1889	.6638-02	.5447-02	.6554-02	3.936	27.86	574.2
410	.40000	.20000	861.00	.8960-01	.7370-01	.9020-01	.3107-02	.2558-02	.3128-02	1.877	13.81	563.1
410	.40000	.30000	862.00	.6710-01	.5530-01	.6790-01	.2328-02	.1919-02	.2357-02	1.415	10.09	559.3

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(11A) BTU/R FT2SEC	JDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
410	40000	40000	863.00	4870-01	4020-01	4930-01	1690-02	1394-02	1712-02	1.031	7.871	557.0
410	40000	60000	864.00	4860-01	4010-01	4910-01	1687-02	1393-02	1704-02	1.036	6.963	552.8
410	40000	70000	865.00	4980-01	4110-01	5040-01	1727-02	1426-02	1749-02	1.062	7.136	552.6
410	40000	75000	866.00	4310-01	3560-01	4380-01	1497-02	1237-02	1521-02	9230	6.828	550.7
410	40000	85000	867.00	2070-01	1720-01	2130-01	7190-03	5956-03	7407-03	4500	3.404	541.2
410	40000	90000	868.00	1470-01	1220-01	1540-01	5110-03	4236-03	5338-03	3210	2.758	538.8
410	40000	95000	869.00	1010-01	8400-02	1060-01	3518-03	2917-03	3694-03	2220	1.801	537.4
410	50000	00000	871.00	5521	4416	4526	1915-01	1532-01	1570-01	9.923	77.74	649.1
410	50000	50000-01	872.00	3030	2474	2931	1051-01	8583-02	1017-01	6.069	45.57	589.7
410	50000	10000+00	873.00	1678	1379	1671	5822-02	4783-02	5797-02	3.478	25.50	569.7
410	50000	20000	874.00	1232	1014	1242	4273-02	3518-02	4310-02	2.581	18.37	563.2
410	50000	30000	875.00	1113	9160-01	1125	3850-02	3178-02	3902-02	2.331	16.59	563.2
410	50000	40000	876.00	9510-01	7840-01	9630-01	3300-02	2719-02	3339-02	2.002	14.27	560.4
410	50000	50000	877.00	7330-01	6050-01	7430-01	2544-02	2099-02	2577-02	1.554	10.75	556.4
410	50000	60000	878.00	1820-01	1510-01	1850-01	6325-03	5243-03	6414-03	3970	3.114	559.0
410	55000	00000	879.00	5001	3979	4081	1735-01	1381-01	1416-01	8.768	70.91	601.7
410	60000	00000	880.00	4241	3385	3471	1471-01	1174-01	1204-01	7.548	66.37	654.2
410	60000	25000-01	881.00	4796	3875	4508	1664-01	1345-01	1564-01	9.081	67.14	621.4
410	60000	50000-01	882.00	2645	2154	2567	9177-02	7475-02	8905-02	5.226	49.28	597.7
410	60000	75000-01	883.00	2602	2127	2576	9026-02	7381-02	8937-02	5.250	38.19	585.5
410	60000	10000+00	884.00	2017	1656	2018	6999-02	5745-02	7000-02	4.155	29.43	573.3
410	60000	20000	885.00	1244	1025	1257	4316-02	3555-02	4362-02	2.615	18.63	561.2
410	60000	30000	886.00	8140-01	6710-01	8230-01	2826-02	2329-02	2856-02	1.718	11.51	559.0
410	60000	40000	887.00	5760-01	4750-01	5820-01	1999-02	1648-02	2018-02	1.219	8.431	557.2
410	60000	50000	888.00	5360-01	4420-01	5430-01	1860-02	1535-02	1883-02	1.138	7.877	555.5
410	60000	60000	889.00	5510-01	4550-01	5580-01	1911-02	1578-02	1935-02	1.173	8.126	553.5
410	60000	80000	891.00	1930-01	1650-01	2060-01	6921-03	5733-03	7130-03	4.330	3.220	541.5
410	60000	85000	892.00	2050-01	1710-01	2130-01	7130-03	5916-03	7383-03	4.480	2.79	539.6
410	60000	90000	893.00	1560-01	1290-01	1630-01	5415-03	4491-03	5664-03	3.410	2.586	537.0
410	60000	95000	894.00	1110-01	9200-02	1160-01	3336-03	3183-03	4028-03	2.420	1.837	535.6
410	65000	00000	895.00	3229	2602	2665	1120-01	9029-02	9248-02	6.031	49.55	628.8
410	70000	00000	896.00	1807	1465	1499	6270-02	5082-02	5202-02	3.478	44.06	612.4
410	70000	25000-01	897.00	2253	1843	2119	7618-02	6393-02	7350-02	4.551	41.39	585.0
410	70000	10000+00	898.00	1515	1247	1512	5257-02	4328-02	5247-02	3.176	21.90	563.0
410	70000	20000	899.00	1129	9310-01	1138	3319-02	3329-02	3949-02	2.378	14.59	560.4
410	70000	30000	900.00	1188	9790-01	1202	4122-02	3355-02	4171-02	2.501	15.35	560.4
410	70000	40000	901.00	1052	8570-01	1064	3648-02	3008-02	3692-02	2.221	14.04	558.3
410	70000	60000	902.00	1113	9170-01	1128	3662-02	3183-02	3912-02	2.348	14.83	559.2
410	70000	90000	903.00	2330-01	1930-01	2430-01	8075-03	6694-03	8435-03	5.080	3.657	538.7
410	75000	00000	904.00	9450-01	7800-01	7970-01	3283-02	2706-02	2765-02	1.986	15.76	559.2
410	75000	25000-01	905.00	365	3088	3566	1324-01	1071-01	1237-01	7.282	55.88	617.0
410	75000	50000-01	906.00	2884	2363	2820	1001-01	8197-02	9784-02	5.882	42.92	579.2
410	75000	10000+00	907.00	1991	1637	1988	6909-02	5680-02	5895-02	4.140	28.48	567.9

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OH-498 (AEDC V41B-57A) ORBITER LOWER HING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(19TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TM DEG. R
410	75000	20000	908.00	.1222	.1008	.123	.4241-02	.3439-02	.4276-02	2.593	17.95	555.7
410	75000	30000	909.00	.1717	.1413	.1735	.5956-02	.4904-02	.6018-02	3.598	22.69	563.0
410	75000	40000	910.00	.2207	.1812	.2231	.7657-02	.6287-02	.7741-02	4.558	29.45	571.8
410	75000	50000	911.00	.1910	.1572	.1935	.6627-02	.5453-02	.6713-02	3.994	26.69	564.4
410	75000	60000	912.00	.3020-01	.2500-01	.3110-01	.1048-02	.8677-03	.1079-02	.6550	5.412	541.8
410	75000	70000	913.00	.2200-01	.1830-01	.2300-01	.7648-03	.6342-03	.7985-03	.4910	3.528	537.6
410	75000	80000	914.00	.1580-01	.1310-01	.1660-01	.5486-03	.4551-03	.5755-03	.3460	2.625	536.2
410	80000	90000	915.00	.3481	.2805	.2873	.1208-01	.9731-02	.9967-02	6.499	57.84	629.0
410	80000	10000	916.00	.1208	.9560-01	.1219	.4192-02	.3456-02	.4229-02	2.550	17.62	558.8
410	80000	20000	917.00	.1131	.9340-01	.1142	.3924-02	.3239-02	.3982-02	2.405	17.20	554.2
410	80000	30000	918.00	.4680-01	.3870-01	.4880-01	.1623-02	.1344-02	.1694-02	1.014	7.412	542.4
410	85000	40000	919.00	.4171	.3361	.3442	.1447-01	.1166-01	.1194-01	7.784	59.38	629.2
410	85000	50000	920.00	.1312	.1081	.1320	.4551-02	.3752-02	.4581-02	2.770	19.77	558.4
410	85000	60000	921.00	.9740-01	.8040-01	.9830-01	.3781-02	.2789-02	.3410-02	2.068	15.27	555.3
410	90000	70000	922.00	.252	.2055	.2103	.8746-02	.7131-02	.7295-02	5.009	38.86	594.4
410	90000	80000	923.00	.1985	.1633	.1987	.6886-02	.5655-02	.6994-02	4.145	30.46	565.2
410	90000	90000	924.00	.1116	.9210-01	.1125	.3873-02	.3195-02	.3902-02	2.367	16.91	555.8
410	90000	10000	925.00	.9220-01	.7610-01	.9310-01	.3200-02	.2642-02	.3231-02	1.962	14.03	554.0
410	90000	20000	926.00	.4180-01	.3460-01	.4300-01	.1450-02	.1200-02	.1491-02	.9040	7.069	543.5
410	95000	30000	927.00	.2890-01	.2390-01	.3020-01	.1001-02	.8298-03	.1047-02	.6280	5.011	539.6
410	95000	40000	928.00	.1534	.1263	.1290	.5322-02	.4380-02	.4477-02	3.211	23.61	563.8
410	95000	50000	929.00	.1884	.1548	.1847	.6536-02	.5371-02	.6408-02	3.908	27.73	569.2
410	95000	60000	930.00	.1696	.1396	.1689	.5884-02	.4843-02	.5860-02	3.551	26.11	563.6
410	95000	70000	931.00	.1402	.1156	.1412	.4865-02	.4010-02	.4897-02	2.959	20.44	559.1
410	95000	80000	932.00	.1263	.1042	.1274	.4380-02	.3614-02	.4418-02	2.677	19.12	556.0
410	95000	90000	933.00	.8370-01	.6910-01	.8460-01	.2903-02	.2397-02	.2934-02	1.784	13.20	552.4
410	95000	10000	934.00	.4590-01	.3800-01	.4670-01	.1592-02	.1317-02	.1621-02	.9910	7.483	544.4
410	95000	20000	935.00	.4400-01	.3540-01	.4550-01	.1526-02	.1264-02	.1577-02	.9540	7.095	541.6
410	95000	30000	936.00	.2910-01	.2410-01	.3040-01	.1009-02	.8363-03	.1054-02	.6340	4.805	538.3

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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LOWER HING

OH-498 (AEDC V41B-57A) ORBITER LOWER HING

(RVIL40)

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = -7.000 SPOBRK = 40.00
 BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
417	8.000	3.727	19.96	.0000	180.0	859.8	.8800-01	1348.	97.70	3.946	3874.	.7565-04
418	8.000	3.758	19.96	.0000	180.0	860.9	.8800-01	1342.	97.20	3.951	3865.	.7611-04
419	8.000	3.759	19.96	.0000	180.0	861.7	.8800-01	1342.	97.30	3.954	3866.	.7614-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
417	.7864-07		0.0175
418	.7827-07		.2104-01
419	.7830-07		.2096-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TN DEG. R
419	.30000	.00000	845.00	.3800-01	.3150-01	.3220-01	.1867-02	.1549-02	.1582-02	1.220	13.51	554.8
419	.30000	.50000-01	846.00	.1027	.8450-01	.1009	.5044-02	.4151-02	.4957-02	3.146	34.35	584.2
419	.30000	.10000+00	847.00	.9010-01	.7440-01	.8230-01	.4424-02	.3652-02	.4373-02	2.811	23.74	572.5
419	.30000	.20000	848.00	.8340-01	.5900-01	.8320-01	.4094-02	.3388-02	.4085-02	2.636	18.75	564.2
419	.30000	.40000	850.00	.4090-01	.3390-01	.4110-01	.2010-02	.1663-02	.2020-02	1.295	9.214	563.6
419	.30000	.50000	851.00	.4010-01	.3320-01	.4060-01	.1969-02	.1623-02	.1994-02	1.265	9.297	567.2
419	.30000	.60000	852.00	.5200-01	.4300-01	.5260-01	.2551-02	.2112-02	.2585-02	1.640	12.04	565.8
419	.30000	.70000	853.00	.5590-01	.4630-01	.5670-01	.2747-02	.2272-02	.2785-02	1.762	12.52	566.6
419	.30000	.80000	854.00	.7160-01	.5920-01	.7290-01	.3515-02	.2905-02	.3581-02	2.248	15.49	568.2
419	.30000	.90000	855.00	.1970-01	.1640-01	.2040-01	.9666-03	.8039-03	.1003-02	.6410	4.680	544.9
419	.30000	.95000	856.00	.1820-01	.1510-01	.1900-01	.8946-03	.7438-03	.9352-03	.5920	4.251	546.1
419	.35000	.00000	857.00	.9840-01	.8130-01	.8300-01	.4831-02	.3991-02	.4078-02	3.081	26.05	570.4
419	.40000	.00000	858.00	.2108	.1717	.1756	.1035-01	.8430-02	.8625-02	6.095	59.46	619.2
419	.40000	.50000-01	859.00	.3471	.2824	.3336	.1704-01	.1387-01	.1638-01	9.989	69.07	621.9
419	.40000	.10000+00	860.00	.1690	.1551	.1866	.9280-02	.7618-02	.9164-02	5.709	40.04	592.8
419	.40000	.20000	861.00	.8680-01	.7170-01	.8740-01	.4263-02	.3519-02	.4291-02	2.705	19.79	573.5
419	.40000	.30000	862.00	.6360-01	.5250-01	.6440-01	.3123-02	.2580-02	.3162-02	1.991	14.12	570.3

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(RVIL40)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(ISO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	OTWDT DEG. R /SEC	TH DEG. R
419	.40000	.40000	863.00	.4870-01	.4030-01	.4940-01	.2393-02	.1979-02	.2424-02	1.533	11.63	567.6
419	.40000	.60000	864.00	.4400-01	.3540-01	.4440-01	.2159-02	.1788-02	.2181-02	1.394	9.324	562.4
419	.40000	.70000	865.00	.4840-01	.4010-01	.4900-01	.2378-02	.1968-02	.2407-02	1.532	10.24	563.7
419	.40000	.75000	866.00	.4340-01	.3600-01	.4410-01	.2133-02	.1766-02	.2167-02	1.379	10.15	561.7
419	.40000	.85000	867.00	.2190-01	.1820-01	.2250-01	.1074-02	.8927-03	.1105-02	.7090	5.343	548.0
419	.40000	.90000	868.00	.1490-01	.1240-01	.1560-01	.7319-03	.6087-03	.7638-03	.4850	4.155	545.0
419	.40000	.95000	869.00	.1100-01	.9100-02	.1150-01	.5393-03	.4487-03	.5658-03	.3580	2.904	543.5
419	.50000	.00000	871.00	.5380	.4244	.4356	.2642-01	.2084-01	.2139-01	13.25	101.1	706.3
419	.50000	.50000-01	872.00	.3093	.2517	.2991	.1519-01	.1236-01	.1469-01	8.901	65.79	621.9
419	.50000	.10000-00	873.00	.1710	.1404	.1702	.8395-02	.6897-02	.8361-02	5.187	37.64	597.1
419	.50000	.20000	874.00	.1562	.1286	.1576	.7670-02	.6315-02	.7737-02	4.797	33.82	582.5
419	.50000	.30000	875.00	.1377	.1135	.1392	.6764-02	.5573-02	.6837-02	4.251	30.01	579.5
419	.50000	.40000	876.00	.1159	.9570-01	.1173	.5693-02	.4698-02	.5760-02	3.608	25.54	574.2
419	.50000	.50000	877.00	.1142	.9430-01	.1157	.5610-02	.4630-02	.5682-02	3.557	24.40	573.9
419	.50000	.60000	878.00	.2410-01	.2010-01	.2450-01	.1185-02	.9848-03	.1201-02	.7830	6.114	546.8
419	.50000	.70000	879.00	.4634	.3640	.3737	.2276-01	.1787-01	.1835-01	11.18	88.09	716.8
419	.60000	.00000	880.00	.4118	.3239	.3326	.2022-01	.1591-01	.1633-01	10.00	85.50	713.5
419	.60000	.25000-01	881.00	.4729	.3733	.4431	.2322-01	.1658-01	.2176-01	12.45	89.94	671.4
419	.60000	.50000-01	882.00	.2662	.2155	.2581	.1307-01	.1059-01	.1267-01	7.468	69.10	636.6
419	.60000	.75000-01	883.00	.2705	.2203	.2677	.1328-01	.1082-01	.1315-01	7.833	56.06	618.3
419	.60000	.10000-00	884.00	.2182	.1787	.2182	.1071-01	.8777-02	.1072-01	6.515	45.54	599.9
419	.60000	.20000	885.00	.1560	.1285	.1577	.7561-02	.7215-02	.8873-02	5.445	38.28	587.6
419	.60000	.30000	886.00	.3119	.2547	.3151	.1532-01	.1251-01	.1547-01	4.809	31.28	580.2
419	.60000	.40000	887.00	.3139	.2568	.3180	.1541-01	.1261-01	.1561-01	9.160	61.72	609.9
419	.60000	.50000	888.00	.2773	.2274	.2810	.1362-01	.1117-01	.1380-01	9.311	62.92	603.9
419	.60000	.60000	889.00	.6760-01	.5600-01	.6950-01	.3320-02	.2752-02	.3420-02	8.325	56.46	596.6
419	.60000	.85000	891.00	.5410-01	.4490-01	.5530-01	.2657-02	.2206-02	.2747-02	2.160	15.93	557.4
419	.60000	.90000	892.00	.3710-01	.3080-01	.3680-01	.1822-02	.1514-02	.1904-02	1.743	12.68	551.8
419	.60000	.95000	893.00	.2540-01	.2120-01	.2670-01	.1249-02	.1039-02	.1311-02	1.204	9.075	547.2
419	.65000	.00000	894.00	.3165	.2530	.2594	.1554-01	.1243-01	.1274-01	.8290	6.259	544.3
419	.70000	.00000	895.00	.1924	.1552	.1590	.9447-02	.7624-02	.7807-02	8.313	66.87	673.1
419	.70000	.25000-01	896.00	.2813	.2028	.2334	.1219-01	.9350-02	.1146-01	5.301	66.05	646.8
419	.70000	.50000-00	897.00	.2813	.2302	.2807	.1381-01	.1130-01	.1378-01	7.296	65.56	609.6
419	.70000	.20000	898.00	.3728	.3043	.3759	.1831-01	.1454-01	.1646-01	8.353	56.46	603.2
419	.70000	.30000	899.00	.3389	.2771	.3431	.1664-01	.1361-01	.1625-01	10.91	65.31	611.8
419	.70000	.40000	901.00	.3219	.2633	.3260	.1581-01	.1293-01	.1601-01	10.02	60.10	606.0
419	.70000	.60000	902.00	.2878	.2361	.2917	.1414-01	.1159-01	.1432-01	9.531	58.85	605.0
419	.70000	.80000	903.00	.4150-01	.3440-01	.4330-01	.2035-02	.1691-02	.2125-02	8.648	53.63	596.2
419	.75000	.00000	904.00	.2132	.1747	.1787	.1047-01	.8581-02	.8773-02	6.387	49.47	597.8
419	.75000	.25000-01	905.00	.3897	.3141	.3638	.1914-01	.1542-01	.1787-01	10.67	80.53	650.6
419	.75000	.50000-01	906.00	.2992	.2370	.2829	.1420-01	.1164-01	.1389-01	8.656	62.56	598.6
419	.75000	.10000-00	907.00	.2173	.1788	.2169	.1057-01	.8780-02	.1055-01	6.645	45.31	585.4

AEDC VKF V41B-57A (OH-498) COLLATION DECK
OH-498 (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = -7.000 SPOBRK = 40.00
80FLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
393	7.900	.5350	30.02	.0000	180.0	110.6	1200-01	1281.	95.00	.5370	3774.	.1085-04
394	7.900	.5367	30.03	.0000	180.0	111.1	1200-01	1282.	95.10	.5390	3775.	.1089-04
395	7.900	.5402	30.04	.0000	180.0	111.9	1200-01	1283.	95.20	.5430	3776.	.1096-04
RUN NUMBER	14J LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =									
393	.7652-07	.1795-01	0.0175									
394	.7659-07	.1798-01	.5527-01									
395	.7663-07	.1806-01	.5517-01									
			.5493-01									

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
395	.30000	.00000	845.00	.4140-01	.3430-01	.3590-01	.7478-03	.6190-03	.6488-03	.4610	5.152	538.2
395	.30000	.50000-01	845.00	.1310	.1080	.1232	.2365-02	.1951-02	.2225-02	1.429	15.86	550.8
395	.30000	.10000+00	847.00	.1198	.9900-01	.1134	.2134-02	.1787-02	.2047-02	1.317	11.27	546.4
395	.30000	.20000	848.00	.1027	.8490-01	.9810-01	.1855-02	.1533-02	.1771-02	1.133	8.147	543.7
395	.30000	.40000	851.00	.6780-01	.5600-01	.6530-01	.1224-02	.1012-02	.1173-02	.7470	5.363	545.1
395	.30000	.50000	851.00	.5330-01	.4400-01	.5170-01	.9623-03	.7951-03	.9336-03	.5870	4.362	544.4
395	.30000	.60000	852.00	.4760-01	.3940-01	.4620-01	.8605-03	.7111-03	.8345-03	.5260	3.904	543.9
395	.30000	.70000	853.00	.4400-01	.3640-01	.4280-01	.7952-03	.6574-03	.7723-03	.4870	3.504	542.3
395	.30000	.80000	854.00	.4220-01	.3490-01	.4120-01	.7624-03	.6306-03	.7446-03	.4680	3.483	540.6
395	.30000	.90000	855.00	.1500-01	.1240-01	.1500-01	.2709-03	.2246-03	.2705-03	.1690	1.238	532.6
395	.30000	.95000	856.00	.1490-01	.1240-01	.1500-01	.2691-03	.2231-03	.2712-03	.1680	1.211	532.2
395	.35000	.00000	857.00	.1020	.8430-01	.8840-01	.1642-02	.1522-02	.1596-02	1.124	9.630	544.7
395	.40000	.00000	858.00	.1867	.1537	.1613	.3371-02	.2776-02	.2913-02	2.017	20.30	556.4
395	.40000	.50000-01	859.00	.3511	.2888	.3235	.6340-02	.5216-02	.5843-02	3.776	26.93	559.2
395	.40000	.10000+00	860.00	.2204	.1817	.2083	.3980-02	.3282-02	.3761-02	2.399	17.17	552.2
395	.40000	.20000	861.00	.1261	.1040	.1215	.2276-02	.1879-02	.2194-02	1.381	10.23	548.3
395	.40000	.30000	862.00	.1002	.8270-01	.9710-01	.1809-02	.1493-02	.1754-02	1.098	7.880	547.6

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L41)

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
395	40000	40000	863.00	.8280-01	.6840-01	.8040-01	.1496-02	.1236-02	.1451-02	.9110	6.992	545.9
395	40000	60000	864.00	.7800-01	.6450-01	.7550-01	.1409-02	.1165-02	.1363-02	.8630	5.834	542.1
395	40000	70000	865.00	.7840-01	.6480-01	.7600-01	.1415-02	.1170-02	.1372-02	.8670	5.855	542.5
395	40000	75000	866.00	.6740-01	.5580-01	.6560-01	.1218-02	.1007-02	.1186-02	.7470	5.559	541.0
395	40000	85000	867.00	.3660-01	.3030-01	.3620-01	.6603-03	.5470-03	.6533-03	.4090	3.104	535.2
395	40000	90000	868.00	.2840-01	.2350-01	.2860-01	.5129-03	.4251-03	.5160-03	.3190	2.745	533.6
395	40000	95000	869.00	.2310-01	.1920-01	.2340-01	.4176-03	.3462-03	.4231-03	.2600	2.118	532.4
395	50000	00000	871.00	.5644	.4609	.4846	.1019-01	.8323-02	.8751-02	5.823	47.11	583.5
395	50000	50000-01	872.00	.3512	.2888	.3254	.6342-02	.5216-02	.5876-02	3.771	28.74	561.2
395	50000	10000+00	873.00	.2036	.1680	.1940	.3677-02	.3034-02	.3504-02	2.225	16.47	549.8
395	50000	20000	874.00	.1383	.1142	.1336	.2498-02	.2063-02	.2412-02	1.520	10.91	546.2
395	50000	30000	875.00	.1114	.0900-01	.1078	.2012-02	.1662-02	.1948-02	1.226	8.809	545.2
395	50000	40000	876.00	.9230-01	.7620-01	.8940-01	.166E-02	.1376-02	.1614-02	1.016	7.299	545.0
395	50000	50000	877.00	.6870-01	.5680-01	.6660-01	.1240-02	.1025-02	.1203-02	.7590	5.292	542.3
395	50000	60000	878.00	.2620-01	.2170-01	.2540-01	.4726-03	.3918-03	.4595-03	.2940	2.313	532.4
395	55000	00000	879.00	.7432	.5995	.6322	.1343-01	.1003-01	.1142-01	7.158	59.01	622.0
395	60000	00000	880.00	.4615	.3757	.3953	.8333-02	.6786-02	.7139-02	4.688	42.48	592.3
395	60000	25000-01	881.00	.5051	.4142	.4570	.9140-02	.7481-02	.8253-02	5.288	39.97	576.3
395	60000	50000-01	882.00	.2777	.2281	.2580	.5015-02	.4120-02	.4659-02	2.960	28.38	564.5
395	60000	75000-01	883.00	.2820	.2321	.2671	.5093-02	.4191-02	.4823-02	3.038	22.39	558.4
395	60000	10000+00	884.00	.2197	.1813	.2103	.3963-02	.3273-02	.3798-02	2.399	17.18	550.4
395	60000	20000	885.00	.1469	.1214	.1422	.2654-02	.2192-02	.2569-02	1.617	11.61	545.7
395	60000	30000	886.00	.1256	.1120	.1313	.2449-02	.2023-02	.2371-02	1.492	10.06	545.8
395	60000	40000	887.00	.1190	.0930-01	.1151	.2149-02	.1775-02	.2078-02	1.309	9.106	545.7
395	60000	50000	888.00	.1116	.0920-01	.1083	.2016-02	.1666-02	.1955-02	1.233	8.588	543.3
395	60000	60000	889.00	.9260-01	.7660-01	.8960-01	.1672-02	.1383-02	.1623-02	1.024	7.139	542.2
395	60000	80000	891.00	.3760-01	.3120-01	.3720-01	.6794-03	.5629-03	.6723-03	.4210	3.142	535.0
395	60000	85000	892.00	.4110-01	.3400-01	.4080-01	.7416-03	.6146-03	.7372-03	.4600	3.380	534.0
395	60000	90000	893.00	.3220-01	.2670-01	.3240-01	.5806-03	.4814-03	.5653-03	.3620	2.747	532.0
395	60000	95000	894.00	.2290-01	.1900-01	.2320-01	.4144-03	.3437-03	.4159-03	.2590	1.965	531.0
395	65000	00000	895.00	.3336	.2728	.2667	.6024-02	.4926-02	.5177-02	3.469	29.21	578.9
395	70000	00000	896.00	.1692	.1399	.1459	.3055-02	.2509-02	.2634-02	1.801	9.820	565.5
395	70000	25000-01	897.00	.2375	.1955	.2145	.4290-02	.3531-02	.3874-02	2.563	23.63	557.3
395	70000	50000+00	898.00	.2235	.1843	.2134	.4035-02	.3329-02	.3854-02	2.441	16.94	550.1
395	70000	75000	899.00	.1816	.1500	.1752	.3260-02	.2708-02	.3164-02	1.994	12.33	546.7
395	70000	30000	900.00	.1437	.1188	.1393	.2536-02	.2145-02	.2516-02	1.587	9.820	543.6
395	70000	40000	901.00	.1270	.1050	.1231	.2294-02	.1897-02	.2224-02	1.405	8.949	542.5
395	70000	60000	902.00	.1088	.0890-01	.1055	.1984-02	.1624-02	.1906-02	1.204	7.674	541.8
395	70000	90000	903.00	.3750-01	.3110-01	.3770-01	.6766-03	.5610-03	.6807-03	.4210	3.046	532.2
395	75000	00000	904.00	.2127	.1754	.1840	.3841-02	.3168-02	.3323-02	2.319	18.39	551.0
395	75000	25000-01	905.00	.3635	.2981	.3269	.6565-02	.5483-02	.5904-02	3.838	30.13	570.3
395	75000	50000-01	906.00	.3144	.2590	.2943	.5677-02	.4677-02	.5314-02	3.404	25.14	555.2
395	75000	10000+00	907.00	.2419	.1995	.2310	.4369-02	.3603-02	.4172-02	2.640	18.32	550.7

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/R FT2SEC	H(1T0) BTU/R FT2SEC	H(TAN) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
395	75000	.20000	906.00	.1524	.1259	.1471	.2753-02	.2274-02	.2657-02	1.680	11.70	544.2
395	75000	.30000	909.00	.1353	.1118	.1309	.2443-02	.2020-02	.2364-02	1.497	9.542	541.8
395	75000	.40000	910.00	.1198	.0910-01	.1160	.2163-02	.1789-02	.2094-02	1.326	8.698	541.9
395	75000	.50000	911.00	.1095	.0660-01	.1063	.1978-02	.1637-02	.1920-02	1.217	8.236	539.6
395	75000	.60000	912.00	.4600-01	.3810-01	.4550-01	.8309-03	.6866-03	.8218-03	.5160	4.277	534.2
395	75000	.80000	913.00	.3610-01	.2990-01	.3630-01	.6516-03	.5404-03	.6553-03	.4060	2.986	531.5
395	75000	.95000	914.00	.2520-01	.2090-01	.2550-01	.4557-03	.3780-03	.4610-03	.2840	2.163	530.5
395	80000	.00000	915.00	.3239	.2653	.2787	.5850-02	.4791-02	.5034-02	3.397	31.06	574.1
395	80000	.20000	916.00	.1493	.1234	.1442	.2696-02	.2228-02	.2604-02	1.649	11.48	543.2
395	80000	.40000	917.00	.1131	.0930-01	.1093	.2042-02	.1688-02	.1975-02	1.252	9.012	541.4
395	80000	.60000	918.00	.4190-01	.3480-01	.4210-01	.7573-03	.6279-03	.7611-03	.4720	3.455	532.2
395	85000	.00000	919.00	.3830	.3137	.3296	.6917-02	.5666-02	.5952-02	4.019	31.50	573.8
395	85000	.20000	920.00	.1565	.1233	.1508	.2826-02	.2336-02	.2724-02	1.299	9.659	541.6
395	85000	.40000	921.00	.1173	.0900-01	.1133	.2118-02	.1752-02	.2046-02	2.493	19.71	556.3
395	90000	.00000	922.00	.2306	.1899	.1993	.4165-02	.3430-02	.3599-02	2.505	18.57	547.4
395	90000	.10000+00	923.00	.2283	.1885	.2188	.4124-02	.3405-02	.3952-02	1.868	13.13	544.3
395	90000	.30000	925.00	.1694	.1400	.1635	.3050-02	.2529-02	.2953-02	1.116	8.038	539.8
395	90000	.50000	926.00	.1005	.8310-01	.9720-01	.1815-02	.1501-02	.1755-02	.5810	4.564	533.9
395	90000	.80000	927.00	.5180-01	.4290-01	.5110-01	.9355-03	.7753-03	.9237-03	4.770	3.814	532.6
395	90000	.90000	928.00	.4240-01	.3520-01	.4270-01	.7659-03	.6350-03	.7713-03	1.447	10.76	541.5
395	95000	.00000	929.00	.1306	.1080	.1132	.2358-02	.1950-02	.2045-02	2.013	14.45	546.4
395	95000	.50000-01	930.00	.1822	.1513	.1720	.3308-02	.2732-02	.3105-02	1.951	14.47	546.3
395	95000	.10000+00	931.00	.1776	.1466	.1692	.3206-02	.2648-02	.3056-02	2.076	14.44	545.7
395	95000	.20000	932.00	.1887	.1559	.1819	.3408-02	.2815-02	.3285-02	1.877	13.48	545.0
395	95000	.30000	933.00	.1704	.1408	.1646	.3077-02	.2542-02	.2972-02	1.257	9.351	540.9
395	95000	.40000	934.00	.1134	.0930-01	.1098	.2048-02	.1694-02	.1983-02	.5860	4.448	534.5
395	95000	.50000	935.00	.5230-01	.4341-01	.5110-01	.9449-03	.7829-03	.9231-03	.5820	4.350	532.6
395	95000	.60000	936.00	.5180-01	.4300-01	.5150-01	.9360-03	.7760-03	.9301-03			
395	95000	.70000	937.00	.3410-01	.2830-01	.3430-01	.6159-03	.5108-03	.6196-03			
395	95000	.80000	937.00									
395	95000	.90000	937.00									

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS GOOD

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LOWER WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV141)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = -7.000 SPDRK = 40.00
BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
402	7.940	1.021	30.03	.0000	180.0	211.2	.2300-01	1271.	93.40	1.003	3759.	.2042-04
403	7.940	1.023	30.04	.0000	180.0	210.9	.2300-01	1267.	93.10	1.001	3755.	.2044-04
404	7.940	1.031	30.06	.0000	180.0	211.8	.2300-01	1265.	93.00	1.006	3751.	.2057-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R	ST FR R =
402	7517-07	.2449-01	0.0175	
403	7498-07	.2447-01	.4025-01	
404	7483-07	.2451-01	.4008-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
404	30000	.0000	845.00	.3980-01	.3280-01	.3440-01	.9748-03	.8037-03	.8132-03	.5790	6.455	544.0
404	30000	.5000-01	846.00	.1302	.1069	.1223	.3192-02	.2621-02	.2997-02	1.852	20.48	558.4
404	30000	.1000+00	847.00	.1163	.9560-01	.1098	.2850-02	.2342-02	.2891-02	1.863	14.17	555.0
404	30000	.2000	848.00	.1025	.8440-01	.9780-01	.2513-02	.2068-02	.2397-02	1.476	10.57	550.9
404	30000	.4000	850.00	.6330-01	.5210-01	.6090-01	.1553-02	.1277-02	.1493-02	.9100	6.512	552.3
404	30000	.5000	851.00	.4950-01	.4070-01	.4800-01	.1214-02	.9984-03	.1177-02	.7110	5.259	552.6
404	30000	.6000	852.00	.4430-01	.3640-01	.4290-01	.1085-02	.8930-03	.1052-02	.6370	4.716	551.2
404	30000	.7000	853.00	.3990-01	.3200-01	.3770-01	.9532-03	.7845-03	.9251-03	.5600	4.015	550.5
404	30000	.8000	854.00	.3730-01	.3070-01	.3540-01	.9139-03	.7525-03	.8319-03	.5390	3.995	548.5
404	30000	.9000	855.00	.1500-01	.1240-01	.1500-01	.3668-03	.3047-03	.3683-03	.2220	1.626	537.0
404	30000	.9500	856.00	.1760-01	.1450-01	.1770-01	.4312-03	.3563-03	.4348-03	.2590	1.469	537.5
404	35000	.0000	857.00	.1095	.8270-01	.8680-01	.2463-02	.2026-02	.2127-02	1.445	12.54	551.6
404	40000	.0000	858.00	.1852	.1516	.1593	.1540-02	.3716-02	.3905-02	2.592	25.94	567.4
404	40000	.5000-01	859.00	.3517	.2875	.3231	.8620-02	.7046-02	.7920-02	4.881	34.59	572.1
404	40000	.1000+00	860.00	.2212	.1813	.2086	.5421-02	.4445-02	.5113-02	3.122	22.23	562.6
404	40000	.2000	861.00	.1248	.1025	.1201	.3058-02	.2511-02	.2943-02	1.778	13.12	557.0
404	40000	.3000	862.00	.9890-01	.8130-01	.9580-01	.2424-02	.1992-02	.2348-02	1.414	10.10	555.3

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H19TO1 BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAM BTU/ R FT2SEC	QDOT BTU/ FT2SEC	OTWOT DEG. R /SEC	TH DEG. R
404	40000	40000	863.00	7850-01	6450-01	7610-01	1923-02	1581-02	1864-02	1.124	8.594	553.9
404	40000	60000	864.00	7940-01	6530-01	7670-01	1945-02	1601-02	1881-02	1.143	7.692	550.8
404	40000	70000	865.00	8170-01	6720-01	7920-01	2003-02	1648-02	1941-02	1.177	7.915	551.0
404	40000	75000	866.00	7110-01	5850-01	6920-01	1743-02	1435-02	1696-02	1.027	7.609	549.1
404	40000	85000	867.00	3900-01	3220-01	3860-01	9554-03	7886-03	9450-03	.5710	4.322	540.5
404	40000	90000	868.00	3020-01	2500-01	3040-01	7414-03	6122-03	7459-03	.4440	3.818	538.9
404	40000	95000	869.00	2120-01	1750-01	2150-01	5200-03	4297-03	5269-03	.3130	2.543	536.9
404	50000	00000	871.00	5427	4391	4626	1330-01	1076-01	1134-01	7.130	57.15	602.4
404	50000	50000-01	872.00	3534	2888	3266	8663-02	7080-02	8005-02	4.900	37.11	572.8
404	50000	10000+00	873.00	2035	1670	1936	4988-02	4093-02	4746-02	2.888	21.28	559.5
404	50000	20000	874.00	1389	1141	1340	3404-02	2797-02	3284-02	1.983	14.17	555.7
404	50000	30000	875.00	1154	9480-01	1116	2829-02	2325-02	2735-02	1.651	11.80	554.7
404	50000	40000	876.00	9630-01	7920-01	9320-01	2361-02	1941-02	2286-02	1.382	9.886	553.1
404	50000	50000	877.00	6790-01	5590-01	6590-01	1665-02	1370-02	1614-02	.9790	6.790	550.8
404	50000	60000	878.00	2350-01	1940-01	2280-01	5758-03	4756-03	5595-03	.3460	2.713	537.7
404	55000	00000	879.00	7161	5688	6019	1755-01	1394-01	1475-01	8.575	69.74	649.9
404	60000	00000	880.00	4548	3567	3867	1115-01	8988-02	9478-02	5.869	52.67	612.0
404	25000-01	00000	881.00	4983	4045	4479	1221-01	9915-02	1098-01	6.866	49.98	532.6
404	60000	50000-01	882.00	2793	2279	2587	6845-02	5585-02	6341-02	3.837	36.54	577.9
404	75000-01	00000	883.00	2852	2334	2696	6992-02	5720-02	6609-02	3.979	29.17	569.4
404	60000	10000+00	884.00	2121	1741	2028	5199-02	4267-02	4970-02	3.011	21.47	559.3
404	60000	20000	885.00	1448	1131	1400	3550-02	2918-02	3432-02	2.075	14.84	553.9
404	60000	30000	886.00	1341	1102	1297	3287-02	2702-02	3179-02	1.918	12.88	554.9
404	60000	40000	887.00	1116	9170-01	1078	2736-02	2249-02	2643-02	1.549	11.05	555.0
404	60000	50000	888.00	1079	8870-01	1046	2645-02	2175-02	2563-02	1.597	10.74	552.9
404	60000	60000	889.00	9260-01	7620-01	8980-01	2271-02	1869-02	2201-02	1.335	9.266	550.3
404	60000	80000	891.00	3570-01	2950-01	3530-01	8749-03	7220-03	8654-03	.5230	3.889	540.8
404	60000	932.00	892.00	3970-01	3280-01	3950-01	9731-03	8035-03	9671-03	.5830	4.272	539.0
404	60000	993.00	893.00	3100-01	2530-01	3130-01	7606-03	6284-03	7668-03	.4570	3.467	537.1
404	65000	00000	894.00	2380-01	1960-01	2410-01	5822-03	4813-03	5900-03	.3510	2.664	535.3
404	65000	00000	895.00	3350	2717	2861	8211-02	6660-02	7013-02	4.457	37.22	595.6
404	70000	00000	896.00	1657	1352	1422	4062-02	3315-02	3486-02	2.280	29.38	577.2
404	70000	25000-01	897.00	2315	1895	2084	5673-02	4644-02	5107-02	3.239	29.71	567.6
404	70000	10000+00	898.00	2213	1817	2111	5425-02	4453-02	5174-02	3.144	21.73	558.9
404	70000	20000	899.00	1799	1479	1734	4410-02	3624-02	4250-02	2.574	15.84	554.8
404	70000	30000	900.00	1481	1218	1434	3630-02	2986-02	3516-02	2.130	13.13	551.7
404	70000	40000	901.00	1268	1043	1228	3108-02	2557-02	3010-02	1.826	11.59	550.8
404	70000	50000	902.00	1104	9090-01	1071	2707-02	2228-02	2624-02	1.593	10.11	550.1
404	70000	60000	903.00	3550-01	2930-01	3570-01	8705-03	7191-03	8758-03	.5230	3.770	537.8
404	70000	70000	904.00	1810	1486	1560	4437-02	3641-02	3824-02	2.568	20.27	558.8
404	75000	00000	905.00	3468	2824	3106	8500-02	6922-02	7614-02	4.716	36.79	583.6
404	75000	25000-01	906.00	2970	2434	2774	7280-02	5965-02	6800-02	4.179	30.71	564.4
404	75000	50000-01	907.00	2316	1901	2209	5677-02	4660-02	5414-02	3.290	22.73	558.9

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(RVIL41)

04-498 (AEDC V418-57A) ORBITER LOWER WING

RUN NUMBER	21/B	X/C	T/C NO	H/WREF R=0.9	H/WREF R=1.0	H/WREF (TAN)	H(ISTO) BTU/ R FT2SEC	H(ITO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTNOT DEG. R /SEC	TW DEG. R
404	75000	20000	908.00	.1545	.1271	.1490	.3787-02	.3114-02	.3553-02	2.216	15.36	553.2
404	75000	30000	909.00	.1316	.1083	.1272	.3226-02	.2656-02	.3119-02	1.901	12.07	549.1
404	75000	40000	910.00	.1186	.0960-01	.47	.2907-02	.2393-02	.2811-02	1.711	11.18	549.8
404	75000	50000	911.00	.1067	.0790-01	.1034	.2615-02	.2154-02	.2535-02	1.545	10.41	547.7
404	75000	60000	912.00	.0930-01	.3740-01	.4480-01	.1110-02	.0162-03	.1097-02	.6840	5.488	540.4
404	75000	70000	913.00	.3600-01	.2973-01	.3620-01	.8924-03	.7292-03	.8874-03	.5310	3.893	536.6
404	75000	80000	914.00	.2640-01	.2180-01	.2670-01	.6475-03	.5352-03	.6552-03	.3900	2.962	535.4
404	80000	90000	915.00	.3191	.2592	.2729	.7821-02	.6354-02	.6689-02	4.284	38.85	590.7
404	80000	10000	916.00	.1441	.1185	.1390	.3531-02	.2904-02	.3408-02	2.067	14.33	553.1
404	80000	20000	917.00	.1155	.0910-01	.1116	.2831-02	.2330-02	.2735-02	1.666	11.93	550.1
404	80000	30000	918.00	.4010-01	.3310-01	.4030-01	.9825-03	.8117-03	.9874-03	.5910	4.331	537.1
404	85000	40000	919.00	.3960	.3217	.3397	.9706-01	.7886-02	.8301-02	5.320	41.36	590.4
404	85000	50000	920.00	.1571	.1292	.1512	.3850-02	.3166-02	.3707-02	2.253	16.12	553.2
404	85000	60000	921.00	.1354	.1114	.1307	.3319-02	.2736-02	.3203-02	1.943	14.36	553.2
404	90000	70000	922.00	.2267	.1872	.1967	.5604-02	.4588-02	.4821-02	3.199	25.15	567.6
404	90000	80000	923.00	.2323	.1908	.2223	.5694-02	.4677-02	.5450-02	3.311	24.43	555.9
404	90000	90000	925.00	.1826	.1337	.1567	.3985-02	.3277-02	.3841-02	2.335	16.71	552.6
404	90000	10000	926.00	.1530	.1258	.1478	.3750-02	.3084-02	.3623-02	2.197	15.72	552.6
404	90000	20000	927.00	.6690-01	.5520-01	.6610-01	.1640-02	.1353-02	.1619-02	.9770	7.637	543.1
404	90000	30000	928.00	.4980-01	.4110-01	.5010-01	.1220-02	.1007-02	.1228-02	.7310	5.832	539.0
404	95000	40000	929.00	.1298	.1069	.1122	.3182-02	.2620-02	.2750-02	1.878	13.91	548.3
404	95000	50000	930.00	.1765	.1451	.1654	.4326-02	.3557-02	.4055-02	2.533	18.12	552.9
404	95000	60000	931.00	.1774	.1459	.1689	.4349-02	.3576-02	.4140-02	2.545	18.81	553.3
404	95000	70000	932.00	.1649	.1357	.1588	.4043-02	.3325-02	.3893-02	2.369	16.43	552.4
404	95000	80000	933.00	.1685	.1386	.1626	.4129-02	.3397-02	.3984-02	2.423	17.34	551.7
404	95000	90000	934.00	.1150	.0940-01	.1112	.2818-02	.2320-02	.2725-02	1.662	12.31	548.6
404	95000	10000	935.00	.8040-01	.6630-01	.7850-01	.1971-02	.1626-02	.1924-02	1.173	8.865	543.3
404	95000	20000	936.00	.8060-01	.6650-01	.8000-01	.1975-02	.1629-02	.1961-02	1.179	8.771	541.1
404	95000	30000	937.00	.5300-01	.4380-01	.5330-01	.1299-02	.1072-02	.1307-02	.7790	5.898	538.7

DATE 25 AUG 76 AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 30.03 BETA = .0000 ELEVTR = -7.000 SPDBRK = 40.00
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
411	7.980	1.985	30.03	.0000	180.0	428.7	.4500-01	1296.	94.30	1.989	3798.	.3969-04
412	7.980	1.997	30.03	.0000	180.0	431.9	.4500-01	1297.	94.40	2.004	3799.	.3996-04
413	7.980	1.981	30.07	.0000	180.0	430.0	.4500-01	1300.	94.60	1.995	3804.	.3969-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
411	.7595-07		0.0175
412	.7601-07		.2892-01
413	.7619-07		.2883-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
413	.30000	.00000	845.00	.3940-01	.3250-01	.3420-01	.1359-02	.1131-02	.1186-02	.8490	9.431	549.6
413	.30000	.50000-01	846.00	.1276	.1047	.1197	.4425-02	.3631-02	.4154-02	2.531	28.85	575.5
413	.30000	.10000+00	847.00	.1125	.9340-01	.1073	.3939-02	.3240-02	.3721-02	2.374	20.10	567.3
413	.30000	.20000	848.00	.1057	.8710-01	.1009	.3668-02	.3020-02	.3499-02	2.622	15.81	564.2
413	.30000	.40000	850.00	.5410-01	.4450-01	.5200-01	.1876-02	.1544-02	.1804-02	1.134	8.066	565.2
413	.30000	.50000	851.00	.4170-01	.3440-01	.4050-01	.1448-02	.1192-02	.1404-02	.8750	6.426	565.9
413	.30000	.60000	852.00	.4230-01	.3480-01	.4030-01	.1466-02	.1207-02	.1421-02	.8870	6.514	565.2
413	.30000	.70000	853.00	.4390-01	.3610-01	.4250-01	.1522-02	.1253-02	.1477-02	.9230	6.569	563.5
413	.30000	.80000	854.00	.5240-01	.4320-01	.5110-01	.1817-02	.1497-02	.1774-02	1.106	8.138	561.5
413	.30000	.90000	855.00	.2070-01	.1710-01	.2650-01	.7165-03	.5935-03	.7154-03	.4490	3.284	542.9
413	.30000	.95000	856.00	.2540-01	.2110-01	.2550-01	.6826-03	.7309-03	.8858-03	.5530	3.973	543.6
413	.35000	.00000	857.00	.9820-01	.8090-01	.8490-01	.3408-02	.2808-02	.2946-02	2.072	17.60	562.0
413	.40000	.00000	858.00	.1666	.1525	.1604	.6474-02	.5292-02	.5563-02	3.769	37.34	587.9
413	.40000	.50000-01	859.00	.3430	.2796	.3148	.1190-01	.9700-02	.1092-01	6.821	47.75	596.8
413	.40000	.10000+00	860.00	.2215	.1814	.2086	.7684-02	.6292-02	.7244-02	4.514	31.82	582.5
413	.40000	.20000	861.00	.1228	.1008	.1182	.4259-02	.3499-02	.4099-02	2.548	18.66	571.7
413	.40000	.30000	862.00	.9420-01	.7740-01	.9130-01	.3259-02	.2686-02	.3165-02	1.958	13.88	571.0

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RVIL41)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAK)	H(9TO) BTU/R FT2SEC	H(10) BTU/R FT2SEC	H(TAH) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
413	.40000	.40000	863.00	.7340-01	.6030-01	.7110-01	.2545-02	.2092-02	.2466-02	1.530	11.61	568.9
413	.40000	.60000	864.00	.8130-01	.6690-01	.7860-01	.2821-02	.2323-02	.2727-02	1.710	11.43	563.8
413	.40000	.70000	865.00	.6410-01	.6930-01	.8150-01	.2918-02	.2403-02	.2828-02	1.768	11.81	564.3
413	.40000	.75000	866.00	.7460-01	.6150-01	.7260-01	.2589-02	.2133-02	.2519-02	1.575	11.59	561.7
413	.40000	.85000	867.00	.4570-01	.3780-01	.4520-01	.1585-02	.1311-02	.1568-02	.9840	7.416	548.9
413	.40000	.90000	868.00	.3330-01	.2750-01	.3350-01	.1157-02	.9574-03	.1164-02	.7220	6.182	545.7
413	.40000	.95000	869.00	.2600-01	.2150-01	.2630-01	.9014-03	.7466-03	.9132-03	.5550	4.583	542.8
413	.50000	.00000	871.00	.5443	.4372	.4614	.1888-01	.1517-01	.1601-01	10.02	78.87	639.3
413	.50000	.50000-01	872.00	.3485	.2837	.3215	.1209-01	.9844-02	.1115-01	6.889	51.46	600.1
413	.50000	.10000+00	873.00	.2070	.1696	.1959	.7181-02	.5884-02	.6029-02	4.234	30.88	580.3
413	.50000	.20000	874.00	.1416	.1164	.1366	.4913-02	.4037-02	.4740-02	2.943	20.86	571.0
413	.50000	.30000	875.00	.1204	.9900-01	.1165	.4178-02	.3436-02	.4041-02	2.512	17.83	568.7
413	.50000	.40000	876.00	.1014	.8340-01	.9820-01	.3519-02	.2893-02	.3407-02	2.115	15.01	569.0
413	.50000	.50000	877.00	.6480-01	.5340-01	.6290-01	.2249-02	.1852-02	.2180-02	1.361	9.380	564.7
413	.50000	.60000	878.00	.2600-01	.2160-01	.2530-01	.9036-03	.7483-03	.8784-03	.5660	4.424	543.7
413	.55000	.00000	879.00	.6913	.5410	.5743	.2398-01	.1877-01	.1992-01	11.22	89.01	702.2
413	.60000	.00000	880.00	.4579	.3653	.3869	.1599-01	.1271-01	.1342-01	8.257	72.74	650.2
413	.60000	.25000-01	881.00	.5037	.4068	.4515	.1748-01	.1411-01	.1566-01	9.532	70.36	624.5
413	.60000	.50000-01	882.00	.2853	.2321	.2639	.9897-02	.8051-02	.9157-02	5.610	52.76	603.2
413	.60000	.75000-01	883.00	.2879	.2350	.2719	.9986-02	.8154-02	.9434-02	5.776	41.88	591.6
413	.60000	.10000+00	884.00	.2192	.1798	.2095	.7605-02	.6237-02	.7267-02	4.509	31.87	577.0
413	.63000	.20000	885.00	.1447	.1189	.1400	.5021-02	.4126-02	.4855-02	3.008	21.33	570.8
413	.60000	.30000	886.00	.1366	.1127	.1321	.4740-02	.3893-02	.4583-02	2.832	18.85	572.5
413	.60000	.40000	887.00	.1271	.1122	.1226	.4410-02	.3623-02	.4259-02	2.640	18.13	571.4
413	.60000	.50000	888.00	.1074	.8830-01	.1041	.3726-02	.3064-02	.3610-02	2.239	15.40	569.0
413	.60000	.60000	889.00	.9070-01	.7470-01	.8790-01	.3147-02	.2590-02	.3050-02	1.903	13.11	565.2
413	.60000	.80000	891.00	.5480-01	.2800-01	.3440-01	.1207-02	.9981-03	.1194-02	.7500	5.559	548.3
413	.60000	.85000	892.00	.3950-01	.3270-01	.3930-01	.1370-02	.1134-02	.1362-02	.8550	6.238	546.1
413	.60000	.90000	893.00	.3330-01	.2760-01	.3360-01	.1156-02	.9577-03	.1166-02	.7250	5.476	543.1
413	.60000	.95000	894.00	.2290-01	.1890-01	.2320-01	.7928-03	.6570-03	.6032-03	.4990	3.771	541.1
413	.65000	.00000	895.00	.3276	.2646	.2785	.1137-01	.9179-02	.9676-02	6.203	51.09	624.2
413	.70000	.00000	896.00	.1592	.1297	.1364	.5522-02	.4500-02	.4734-02	3.159	40.30	597.9
413	.70000	.25000-01	897.00	.2227	.1822	.2004	.7727-02	.6322-02	.6954-02	4.521	41.11	584.9
413	.70000	.10000+00	898.00	.2135	.1752	.2036	.7401-02	.6080-02	.7064-02	4.408	30.22	574.9
413	.70000	.20000	899.00	.2135	.1443	.1692	.6090-02	.5007-02	.5969-02	3.661	22.38	568.7
413	.70000	.30000	900.00	.1469	.1208	.1422	.5095-02	.4192-02	.4934-02	3.073	18.80	566.8
413	.70000	.40000	901.00	.1259	.1036	.1219	.4368-02	.3593-02	.4230-02	2.630	16.54	567.9
413	.70000	.50000	902.00	.1101	.9860-01	.1067	.3820-02	.3142-02	.3703-02	2.303	14.49	567.2
413	.70000	.60000	903.00	.3640-01	.3010-01	.3660-01	.1263-02	.1046-02	.1271-02	.7910	5.683	543.9
413	.75000	.00000	904.00	.1061	.8730-01	.9160-01	.3680-02	.3027-02	.3178-02	2.219	17.45	567.0
413	.75000	.25000-01	905.00	.3099	.2519	.2773	.9762-02	.7995-02	.9619-02	6.071	46.85	605.3
413	.75000	.50000-01	906.00	.2814	.2305	.2628	.9762-02	.7995-02	.9619-02	5.742	41.85	581.7
413	.75000	.10000+00	907.00	.2286	.1875	.2180	.7931-02	.6503-02	.7562-02	4.704	32.22	576.8

AEDC VKF V41B-57A (OH-498) COLLATION DECK

DATE 25 AUG 76

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(190) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTAOT DEG. R /SEC	TH DEG. R
413	7500	.2000	908.00	.1555	.1279	.1500	.5396-02	.4438-02	.5204-02	3.251	22.37	557.5
413	7500	.3000	909.00	.1305	.1075	.1262	.4526-02	.3730-02	.4378-02	2.751	17.35	562.5
413	7500	.4000	910.00	.1145	.9420-01	.1108	.3973-02	.3269-02	.3843-02	2.395	15.51	567.1
413	7500	.6000	911.00	.1058	.8700-01	.1025	.3669-02	.3020-02	.3557-02	2.217	14.80	565.7
413	7500	.8000	912.00	.4610-01	.3810-01	.4560-01	.1601-02	.1323-02	.1583-02	.9930	8.166	549.8
413	7500	.9000	913.00	.3730-01	.3090-01	.3750-01	.1295-02	.1073-02	.1302-02	.8120	5.933	543.1
413	7500	.9500	914.00	.2610-01	.2160-01	.2540-01	.9051-03	.7501-03	.9157-03	.5690	4.305	541.1
413	8000	.0000	915.00	.3245	.2625	.2766	.1126-01	.9107-02	.8645-02	6.193	55.36	619.9
413	8000	.2000	916.00	.2585	.2117	.2492	.8957-02	.7345-02	.9596-02	5.280	36.08	581.1
413	8000	.4000	917.00	.1448	.1190	.1398	.5022-02	.4130-02	.4851-02	3.022	21.45	568.3
413	8000	.6000	918.00	.4130-01	.3420-01	.4150-01	.1434-02	.1187-02	.1441-02	.8970	6.547	544.7
413	8500	.0000	919.00	.4005	.3239	.3414	.1389-01	.1124-01	.1184-01	7.645	58.59	619.7
413	8500	.2000	920.00	.2527	.2073	.2431	.8766-02	.7190-02	.8435-02	5.201	36.77	576.7
413	8500	.4000	921.00	.3719	.3030	.3582	.1290-01	.1051-01	.1243-01	7.377	53.32	598.2
413	9000	.0000	922.00	.2300	.1881	.1977	.7979-02	.6526-02	.6859-02	4.655	36.27	586.4
413	9000	.1000+00	923.00	.2333	.1917	.2233	.8094-02	.6650-02	.7747-02	4.845	35.49	571.4
413	9000	.3000	925.00	.2186	.1795	.2106	.7583-02	.6228-02	.7307-02	4.531	32.10	572.4
413	9000	.5000	926.00	.3341	.2728	.3223	.1159-01	.9465-02	.1118-01	6.711	47.11	591.0
413	9000	.8000	927.00	.1455	.1199	.1436	.5049-02	.4161-02	.4982-02	3.076	23.84	560.8
413	9000	.9000	928.00	.9910-01	.8180-01	.9980-01	.3438-02	.2838-02	.3463-02	2.115	16.73	554.9
413	9500	.0000	929.00	.1273	.1051	.1102	.4417-02	.3645-02	.3823-02	2.711	20.01	556.2
413	9500	.5000-01	930.00	.1805	.1485	.1692	.6262-02	.5153-02	.5871-02	3.783	26.89	565.8
413	9500	.1000+00	931.00	.1803	.1483	.1717	.6255-02	.5147-02	.5956-02	3.775	27.71	566.5
413	9500	.2000	932.00	.1784	.1468	.1718	.6189-02	.5093-02	.5959-02	3.738	25.74	565.9
413	9500	.3000	933.00	.1802	.1483	.1739	.6253-02	.5145-02	.6034-02	3.773	26.81	566.6
413	9500	.5000	934.00	.1820	.1496	.1760	.6315-02	.5190-02	.6106-02	3.788	27.77	570.1
413	9500	.7000	935.00	.1382	.1140	.1349	.4796-02	.3953-02	.4691-02	2.925	21.91	560.2
413	9500	.8000	936.00	.1223	.1009	.1214	.4241-02	.3502-02	.4213-02	2.611	19.29	554.3
413	9500	.9000	937.00	.8180-01	.6760-01	.8230-01	.2838-02	.2346-02	.2855-02	1.761	13.26	549.4

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION CHECK

PAGE 1314

LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL41)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = -7.000 SPDRBK = 40.00
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEC.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
420	8.000	3.778	30.07	.0000	180.0	850.7	.8800-01	1337.	95.90	3.950	3858.	.7636-04
421	8.000	3.745	30.01	.0000	180.0	858.6	.8800-01	1342.	97.30	3.940	3866.	.7586-04
422	8.000	3.718	30.03	.0000	80.0	858.4	.8800-01	1349.	97.70	3.939	3875.	.7549-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
420	.7799-07	.4905-01	.4905-01	0.0175
421	.7831-07	.4902-01	.4902-01	.2100-01
422	.7868-07	.4906-01	.4906-01	.2106-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11W) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
422	.30000	.00000	845.00	.4010-01	.3330-01	.3490-01	.1968-02	.1633-02	.1710-02	1.291	14.28	557.9
422	.30000	.50300-01	846.00	.1190	.9760-01	.1117	.5840-02	.4787-02	.5480-02	3.581	38.78	600.6
422	.30000	.10000+00	847.00	.1041	.8570-01	.9840-01	.5109-02	.4203-02	.4827-02	3.198	26.81	587.9
422	.30000	.20000	848.00	.1020	.8410-01	.9730-01	.5002-02	.4125-02	.4774-02	3.174	22.42	579.1
422	.30000	.40000	850.00	.5510-01	.4620-01	.5390-01	.2750-02	.2265-02	.2646-02	1.731	12.19	584.3
422	.30000	.50000	851.00	.5260-01	.4330-01	.5100-01	.2579-02	.2122-02	.2500-02	1.515	11.74	587.4
422	.30000	.60000	852.00	.8380-01	.6890-01	.8120-01	.4112-02	.3382-02	.3984-02	2.571	18.67	588.6
422	.30000	.70000	853.00	.1311	.1077	.1272	.6433-02	.5283-02	.6241-02	3.987	27.94	594.0
422	.30000	.80000	854.00	.1829	.1499	.1784	.8971-02	.7356-02	.8750-02	5.510	39.81	599.5
422	.30000	.90000	855.00	.6080-01	.5040-01	.6070-01	.2531-02	.2472-02	.2977-02	1.953	14.16	558.6
422	.30000	.95000	855.00	.5110-01	.4240-01	.5150-01	.2507-02	.2080-02	.2527-02	1.646	11.75	557.2
422	.35000	.00000	857.00	.9940-01	.8200-01	.8610-01	.4877-02	.4025-02	.4222-02	3.107	26.19	576.6
422	.40000	.00000	858.00	.1840	.1501	.1578	.9028-02	.7362-02	.7743-02	5.379	52.51	617.9
422	.40000	.50000-01	859.00	.3462	.2808	.3170	.1698-01	.1377-01	.1555-01	9.828	67.52	635.1
422	.40000	.10000+00	860.00	.2260	.1846	.2125	.1109-01	.9054-02	.1044-01	6.654	46.20	613.6
422	.40000	.20000	861.00	.1249	.1025	.1202	.6129-02	.5030-02	.5898-02	3.783	27.36	596.6
422	.40000	.30000	862.00	.1004	.8240-01	.9720-01	.4923-02	.4043-02	.4768-02	3.051	21.39	593.9

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING												
RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
422	40000	40000	863.00	.8600-01	.7070-01	.8340-01	.4221-02	.3468-02	.4090-02	2.622	19.66	592.5
422	40000	60000	864.00	.1098	.9030-01	.1062	.5387-02	.4431-02	.5208-02	3.367	22.23	588.7
422	40000	70000	865.00	.1442	.1185	.1396	.7071-02	.5812-02	.6850-02	4.401	29.01	591.4
422	40000	75000	866.00	.1409	.1159	.1371	.6911-02	.5686-02	.6723-02	4.327	31.44	587.7
422	40000	85000	867.00	.7660-01	.6340-01	.7580-01	.3757-02	.3112-02	.3717-02	2.446	18.30	562.8
422	40000	90000	868.00	.6090-01	.5050-01	.6130-01	.2987-02	.2477-02	.3005-02	1.956	16.64	558.7
422	40000	95000	869.00	.4790-01	.3980-01	.4850-01	.2350-02	.1950-02	.2381-02	1.544	12.43	556.7
422	50000	00000	871.00	.5340	.4227	.4476	.2620-01	.2073-01	.2195-01	13.41	102.4	702.0
422	50000	50000-01	872.00	.3511	.2917	.3321	.1771-01	.1431-01	.1625-01	10.03	73.24	647.4
422	50000	.10070+00	873.00	.2213	.1807	.2103	.1086-01	.8864-02	.1032-01	6.515	46.74	613.6
422	50000	20000	874.00	.1449	.1188	.1397	.7106-02	.5828-02	.6853-02	4.373	30.58	598.4
422	50000	30000	875.00	.1229	.1010	.1189	.6031-02	.4953-02	.5831-02	3.736	26.18	594.3
422	50000	40000	876.00	.1090	.8960-01	.1055	.5348-02	.4394-02	.5177-02	3.320	23.29	592.9
422	50000	60000	877.00	.1003	.6240-01	.9720-01	.4318-02	.4043-02	.4767-02	3.063	20.84	590.8
422	50000	90000	878.00	.4360-01	.3610-01	.4240-01	.2138-02	.1773-02	.2075-02	1.401	10.64	558.1
422	55000	00000	879.00	.6071	.4612	.4928	.2978-01	.2262-01	.2417-01	12.70	96.91	787.2
422	60000	00000	880.00	.4469	.3507	.3721	.2192-01	.1720-01	.1825-01	10.77	91.74	722.3
422	60000	25000-01	881.00	.5104	.4054	.4534	.2501-01	.1988-01	.2224-01	13.03	93.09	693.2
422	60000	50000-01	882.00	.2939	.2361	.2705	.1442-01	.1158-01	.1327-01	7.943	72.58	662.7
422	60000	75000-01	883.00	.2983	.2412	.2810	.1463-01	.1183-01	.1378-01	8.339	58.95	643.8
422	60000	10000+00	884.00	.2272	.1851	.2168	.1115-01	.9082-02	.1064-01	6.615	45.78	620.2
422	60000	20000	885.00	.1569	.1285	.1516	.7694-02	.6305-02	.7436-02	4.711	32.90	601.5
422	60000	30000	886.00	.1521	.1246	.1470	.7462-02	.6113-02	.7211-02	4.562	29.92	602.4
422	60000	40000	887.00	.1395	.1143	.1347	.6843-02	.5608-02	.6469-02	4.191	28.36	601.2
422	60000	50000	888.00	.1362	.1118	.1319	.6579-02	.5483-02	.6469-02	4.127	28.00	595.9
422	60000	60000	889.00	.1204	.9300-01	.1167	.5907-02	.4856-02	.5725-02	3.679	25.02	590.9
422	60000	80000	891.00	.4880-01	.4040-01	.4830-01	.2395-02	.1984-02	.2369-02	1.557	11.45	563.4
422	60000	85000	892.00	.5220-01	.4330-01	.5190-01	.2561-02	.2123-02	.2546-02	1.675	12.14	559.7
422	60000	90000	893.00	.4300-01	.3570-01	.4330-01	.2110-02	.1751-02	.2126-02	1.390	10.44	555.0
422	60000	95000	894.00	.3290-01	.2730-01	.3330-01	.1614-02	.1342-02	.1635-02	1.071	8.058	550.6
422	65000	00000	895.00	.3151	.2521	.2663	.1546-01	.1277-01	.1306-01	8.342	67.07	674.0
422	70000	00000	896.00	.1351	.1283	.1351	.7763-02	.6294-02	.6628-02	4.485	56.16	636.1
422	70000	25000-01	897.00	.2290	.1853	.2054	.1123-01	.9139-02	.1008-01	6.613	58.98	625.0
422	70000	.10070+00	898.00	.2195	.1791	.2090	.1077-01	.8784-02	.1025-01	6.425	61.72	604.1
422	70000	75000	899.00	.1834	.1502	.1766	.8996-02	.7366-02	.8653-02	5.484	32.94	597.2
422	70000	30000	900.00	.1546	.1269	.1497	.7584-02	.6223-02	.7342-02	4.676	28.18	597.7
422	70000	40000	901.00	.1504	.1234	.1456	.7380-02	.6055-02	.7144-02	4.546	28.17	601.8
422	70000	60000	902.00	.2044	.1675	.1980	.1003-01	.8217-02	.9714-02	6.136	37.95	597.2
422	70000	90000	903.00	.7450-01	.6180-01	.7490-01	.3653-02	.3029-02	.3675-02	2.391	17.06	559.2
422	75000	00000	904.00	.2146	.1761	.1849	.1053-01	.8637-02	.9071-02	6.492	50.31	596.9
422	75000	25000-01	905.00	.3708	.2983	.3299	.1819-01	.1463-01	.1618-01	10.10	75.92	658.8
422	75000	50000-01	906.00	.4102	.3320	.3815	.2012-01	.1629-01	.1871-01	11.52	81.58	641.1
422	75000	10000+00	907.00	.3692	.2988	.3508	.1811-01	.1466-01	.1721-01	10.37	68.77	641.4

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(RVIL41)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1(9T0) BTU/ R FT2SEC	H1(TO) BTU/ R FT2SEC	H1(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTROT DEG. R /SEC	TH DEG. R
422	75000	.20000	908.00	.2096	.1714	.2019	.1028-01	.8407-02	.9904-02	6.224	41.97	608.3
422	75000	.30000	909.00	.1378	.1132	.1332	.6761-02	.5554-02	.6535-02	4.193	26.04	593.6
422	75000	.40000	910.00	.1245	.1022	.1203	.6106-02	.5012-02	.5903-02	3.775	24.11	595.5
422	75000	.60000	911.00	.2228	.1826	.2153	.1093-01	.8959-02	.1059-01	5.700	43.97	600.8
422	75000	.80000	912.00	.1089	.9000-01	.1077	.5343-02	.4416-02	.5284-02	3.430	27.91	571.8
422	75000	.90000	913.00	.8580-01	.7110-01	.8620-01	.4207-02	.3489-02	.4230-02	2.756	19.98	558.7
422	75000	.95000	914.00	.6610-01	.5480-01	.6680-01	.3240-02	.2688-02	.3278-02	2.127	15.96	557.3
422	80000	.00000	915.00	.3603	.2890	.3051	.1768-01	.1418-01	.1497-01	9.651	84.32	667.7
422	80000	.20000	916.00	.5022	.4052	.4828	.2464-01	.1988-01	.2360-01	13.88	91.67	650.5
422	80000	.40000	917.00	.2051	.1676	.1973	.1006-01	.8220-02	.4854-02	3.145	22.75	563.9
422	85000	.00000	918.00	.9870-01	.8170-01	.9920-01	.4840-02	.4008-02	.9705-02	6.062	42.14	611.1
422	85000	.20000	919.00	.4067	.3269	.3449	.1995-01	.1603-01	.1692-01	11.00	82.61	662.2
422	85000	.40000	920.00	.4605	.3723	.4417	.2259-01	.1825-01	.2167-01	12.86	87.95	644.4
422	90000	.00000	921.00	.5050	.4071	.4854	.2477-01	.1597-01	.2381-01	13.90	97.81	652.8
422	90000	.20000	922.00	.2275	.1858	.1953	.1116-01	.9112-02	.9582-02	6.693	51.43	614.1
422	90000	.40000	923.00	.2825	.2314	.2702	.1386-01	.1135-01	.1326-01	8.457	60.97	603.5
422	90000	.60000	924.00	.4437	.3590	.4263	.2177-01	.1761-01	.2091-01	12.45	85.25	641.8
422	90000	.80000	925.00	.4229	.3427	.4074	.2075-01	.1681-01	.1998-01	11.96	82.05	637.4
422	90000	.90000	926.00	.1578	.1301	.1589	.9751-02	.8021-02	.9621-02	6.096	46.60	598.5
422	95000	.00000	927.00	.1988	.1635	.1361	.7740-02	.6384-02	.7796-02	4.915	38.43	578.8
422	95000	.20000	928.00	.1264	.1045	.1095	.6203-02	.5128-02	.5377-02	3.991	23.25	570.3
422	95000	.40000	929.00	.1897	.1553	.1770	.9257-02	.7620-02	.8680-02	5.811	40.89	586.0
422	95000	.60000	930.00	.2037	.1674	.1939	.9993-02	.8314-02	.9512-02	6.223	45.14	591.0
422	95000	.80000	931.00	.2913	.2382	.2801	.1429-01	.1168-01	.1374-01	8.641	58.24	609.1
422	95000	.90000	932.00	.3748	.3043	.3607	.1838-01	.1493-01	.1769-01	10.70	73.66	631.5
422	95000	.00000	933.00	.2880	.2349	.2781	.1413-01	.1152-01	.1364-01	8.422	60.30	617.6
422	95000	.20000	934.00	.1671	.1376	.1631	.8198-02	.6752-02	.8001-02	5.162	38.22	584.0
422	95000	.40000	935.00	.1562	.1290	.1552	.7662-02	.6326-02	.7612-02	4.893	35.77	575.2
422	95000	.60000	936.00	.1075	.8900-01	.1082	.5274-02	.4366-02	.5306-02	3.419	25.55	565.4

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L42)

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -7.000 SPD8RK = 40.00
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 G /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
396	7.900	.5313	40.05	.0000	180.0	110.3	.1200-01	1285.	95.30	.5350	3779.	.1079-04
397	7.900	.5295	40.05	.0000	180.0	110.1	.1200-01	1296.	95.40	.5340	3781.	.1076-04
398	7.900	.5301	40.05	.0000	180.0	110.4	.1200-01	1288.	95.50	.5360	3783.	.1078-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
396	.7673-07	.1793-01	.5543-01	0.0175
397	.7681-07	.1792-01	.5552-01	
398	.7690-07	.1795-01	.5548-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9T0) BTU/ R FT2SEC	H(1T0) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
398	.30000	.00000	845.00	.4120-01	.3410-01	.3700-01	.7403-03	.6128-03	.6644-03	.4580	5.117	539.8
398	.30000	.50000-01	846.00	.1512	.1247	.1364	.2713-02	.2238-02	.2448-02	1.647	18.28	551.7
398	.30000	.10000-00	847.00	.1423	.1175	.1291	.2554-02	.2108-02	.2317-02	1.556	13.29	549.8
398	.30000	.20000	848.00	.1220	.1008	.1117	.2190-02	.1809-02	.2005-02	1.340	9.618	547.0
398	.30000	.40000	850.00	.8350-01	.6900-01	.7700-01	.1500-02	.1238-02	.1363-02	.9140	6.549	549.5
398	.30000	.50000	851.00	.6750-01	.5570-01	.6270-01	.1212-02	.1000-02	.1126-02	.7380	5.461	550.2
398	.30000	.60000	852.00	.6410-01	.5290-01	.5950-01	.1150-02	.9495-03	.1068-02	.7010	5.191	549.4
398	.30000	.70000	853.00	.5540-01	.4570-01	.5150-01	.9939-03	.8208-03	.9242-03	.6070	4.352	546.3
398	.30000	.80000	854.00	.5750-01	.4750-01	.5370-01	.1032-02	.8523-03	.9645-03	.6310	4.683	546.8
398	.30000	.90000	855.00	.2620-01	.2170-01	.2500-01	.4694-03	.3890-03	.4492-03	.2920	2.142	536.6
398	.30000	.00000	856.00	.3310-01	.2750-01	.3200-01	.5949-03	.4930-03	.5733-03	.3700	2.672	536.4
398	.35000	.00000	857.00	.1081	.8930-01	.5690-01	.1940-02	.1603-02	.1739-02	1.189	10.18	546.0
396	.40000	.00000	858.00	.1741	.1435	.1558	.3124-02	.2576-02	.2797-02	1.888	19.02	554.7
398	.40000	.50000-01	859.00	.3448	.2838	.3054	.6189-02	.5095-02	.5482-02	2.601	26.46	559.3
398	.40000	.10000-00	860.00	.2400	.1978	.2173	.4307-02	.3550-02	.3901-02	2.601	18.59	554.9
398	.40000	.20000	861.00	.1450	.1196	.1338	.2603-02	.2147-02	.2402-02	1.579	11.68	552.2
398	.40000	.30000	862.00	.1207	.9960-01	.1120	.2166-02	.1787-02	.2010-02	1.316	9.421	551.4

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAN) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTNOT DEG. R /SEC	TW DEG. R
398	.40000	.40000	863.00	.9670-01	.7980-01	.8980-01	.1735-02	.1432-02	.1611-02	1.055	8.076	550.8
398	.40000	.60000	864.00	.8940-01	.7390-01	.8290-01	.1605-02	.1326-02	.1488-02	.9820	6.618	547.2
398	.40000	.70000	865.00	.8960-01	.7400-01	.8320-01	.1607-02	.1328-02	.1492-02	.9820	6.619	547.8
398	.40000	.75000	866.00	.7430-01	.6140-01	.6930-01	.1334-02	.1102-02	.1244-02	.8170	6.062	546.3
398	.40000	.85000	867.00	.5150-01	.4260-01	.4880-01	.9240-03	.7650-03	.8756-03	.5720	4.332	539.5
398	.40000	.90000	868.00	.4200-01	.3480-01	.4050-01	.7540-03	.6245-03	.7270-03	.4680	4.023	538.1
398	.40000	.95000	869.00	.3330-01	.2760-01	.3240-01	.5976-03	.4952-03	.5807-03	.3720	3.027	536.2
398	.50000	.00000	871.00	.4883	.4002	.4357	.8763-02	.7184-02	.7820-02	5.132	41.73	573.3
398	.50000	.50000-01	872.00	.3528	.2904	.3140	.6333-02	.5212-02	.5675-02	3.791	28.88	560.3
398	.50000	.10000+00	873.00	.2143	.1768	.1957	.3946-02	.3173-02	.3512-02	2.334	17.27	552.0
398	.50000	.20000	874.00	.1469	.1213	.1358	.2636-02	.2176-02	.2438-02	1.607	11.51	549.5
398	.50000	.30000	875.00	.1117	.9220-01	.1035	.2004-02	.1655-02	.1858-02	1.223	8.768	548.8
398	.50000	.40000	876.00	.1016	.8390-01	.9420-01	.1823-02	.1505-02	.1692-02	1.112	7.969	549.1
398	.50000	.60000	877.00	.8830-01	.7290-01	.8200-01	.1585-02	.1309-02	.1472-02	.9680	6.728	548.0
398	.50000	.90000	878.00	.4080-01	.3380-01	.3800-01	.7316-03	.6061-03	.68'5-03	.4550	3.569	537.1
398	.55000	.00000	879.00	.6217	.5045	.5514	.1116-01	.9056-02	.9897-02	6.187	51.45	604.4
398	.60000	.00000	880.00	.5750	.4674	.5105	.1072-01	.8388-02	.9162-02	5.768	52.07	600.0
398	.60000	.25000-01	881.00	.6948	.5673	.6028	.1247-01	.1018-01	.1082-01	7.148	53.78	585.7
398	.60000	.50000-01	882.00	.3824	.3135	.3405	.6864-02	.5627-02	.6111-02	4.022	38.40	572.9
398	.60000	.75000-01	883.00	.3660	.3171	.3499	.6927-02	.5691-02	.6280-02	4.108	30.18	565.8
398	.60000	.10000+00	884.00	.2884	.2376	.2643	.5176-02	.4265-02	.4743-02	3.122	22.30	555.8
398	.60000	.20000	885.00	.1778	.1467	.1647	.3191-02	.2634-02	.2957-02	1.944	13.93	549.7
398	.60000	.30000	886.00	.1620	.1337	.1501	.2908-02	.2400-02	.2695-02	1.772	11.93	549.6
398	.60000	.40000	887.00	.1425	.1176	.1319	.2557-02	.2111-02	.2368-02	1.559	10.82	549.3
398	.60000	.50000	888.00	.1201	.9920-01	.1115	.2155-02	.1780-02	.2002-02	1.317	9.153	547.8
398	.60000	.60000	889.00	.1084	.8950-01	.1007	.1945-02	.1607-02	.1807-02	1.191	8.284	546.4
398	.60000	.80000	891.00	.5570-01	.4610-01	.5280-01	.9998-03	.8277-03	.9475-03	.6190	4.611	539.3
398	.60000	.85000	892.00	.5890-01	.4680-01	.5610-01	.1058-02	.8762-03	.1007-02	.6570	4.813	538.0
398	.60000	.90000	893.00	.5140-01	.4260-01	.4970-01	.9223-03	.7643-03	.8913-03	.5740	4.356	536.0
398	.65000	.00000	894.00	.3740-01	.3100-01	.3640-01	.6721-03	.5268-02	.5737-02	.4200	3.184	534.6
398	.65000	.00000	895.00	.3584	.2435	.3196	.6433-02	.5268-02	.5737-02	3.744	31.56	576.9
398	.70000	.00000	896.00	.1548	.1274	.1384	.2778-02	.2286-02	.2485-02	1.663	21.61	560.5
398	.70000	.25000-01	897.00	.2481	.2044	.2161	.4454-02	.3659-02	.3879-02	2.678	24.69	557.6
398	.70000	.10000+00	898.00	.2650	.2185	.2424	.4757-02	.3922-02	.4351-02	2.878	19.93	554.0
398	.70000	.20000	899.00	.2103	.1736	.1943	.3775-02	.3115-02	.3487-02	2.298	14.18	550.2
398	.70000	.30000	900.00	.1664	.1375	.1545	.2987-02	.2467-02	.2772-02	1.827	11.28	547.3
398	.70000	.40000	901.00	.1494	.1234	.1387	.2682-02	.2216-02	.2489-02	1.642	10.41	546.6
396	.70000	.60000	902.00	.1333	.1101	.1238	.2392-02	.1977-02	.2223-02	1.466	9.323	546.0
398	.72000	.90000	903.00	.5680-01	.4710-01	.5480-01	.1020-02	.8452-03	.9835-03	.3350	4.580	536.4
398	.75000	.00000	904.00	.1161	.9590-01	.1041	.2084-02	.1722-02	.1868-02	1.274	10.12	547.8
398	.75000	.25000-01	905.00	.3312	.2722	.2875	.5945-02	.4685-02	.5160-02	3.529	27.78	555.3
398	.75000	.50000-01	906.00	.3395	.2796	.3048	.6093-02	.5018-02	.5471-02	3.664	27.03	557.5
398	.75000	.10000+00	907.00	.2916	.2403	.2666	.5233-02	.4313-02	.4786-02	3.159	21.87	555.3

REPRODUCIBILITY OF THE
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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL42)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
398	.75000	.20000	908.00	.2006	.1655	.1854	.3600-02	.2971-02	.3327-02	2.190	15.20	550.5
398	.75000	.30000	909.00	.1697	.1403	.1573	.3046-02	.2517-02	.2823-02	1.867	11.87	546.1
398	.75000	.40000	910.00	.1510	.1247	.1400	.2709-02	.2239-02	.2512-02	1.660	10.87	544.1
398	.75000	.60000	911.00	.1372	.1135	.1275	.2463-02	.2036-02	.2289-02	1.514	10.22	539.1
398	.75000	.80000	912.00	.6740-01	.5580-01	.6380-01	.1209-02	.1001-02	.1145-02	.7490	6.198	535.4
398	.75000	.90000	913.00	.5940-01	.4920-01	.5730-01	.1066-02	.8831-03	.1027-02	.6640	4.874	535.4
398	.75000	.95000	914.00	.4350-01	.3620-01	.4230-01	.7830-03	.6491-03	.7597-03	.4890	3.709	534.6
398	.80000	.00000	915.00	.2668	.2193	.2395	.4789-02	.3936-02	.4280-02	2.846	26.15	564.5
398	.80000	.20000	916.00	.2073	.1712	.1918	.3721-02	.3073-02	.3442-02	2.271	15.78	548.5
398	.80000	.40000	917.00	.1538	.1271	.1425	.2761-02	.2281-02	.2557-02	1.690	12.13	546.8
398	.80000	.60000	918.00	.6480-01	.5370-01	.6240-01	.1162-02	.9631-03	.1120-02	.7240	5.306	562.1
398	.85000	.00000	919.00	.3036	.2497	.2714	.5449-02	.4482-02	.4872-02	3.252	25.64	548.0
398	.85000	.20000	920.00	.2116	.1747	.1953	.3797-02	.3136-02	.3505-02	2.320	16.64	550.9
398	.85000	.40000	921.00	.1690	.1395	.1563	.3033-02	.2504-02	.2805-02	1.852	13.72	548.3
398	.90000	.00000	922.00	.1769	.1460	.1585	.3176-02	.2621-02	.2845-02	1.931	15.31	550.9
398	.90000	.10000	923.00	.2126	.1755	.1952	.3815-02	.3150-02	.3503-02	2.328	17.24	548.8
398	.90000	.30000	925.00	.1955	.1614	.1806	.3508-02	.2897-02	.3241-02	2.139	15.34	549.1
398	.90000	.50000	926.00	.1640	.1354	.1518	.2943-02	.2431-02	.2725-02	1.799	12.91	547.5
398	.90000	.60000	927.00	.9410-01	.7790-01	.8900-01	.1690-02	.1399-02	.1598-02	1.047	8.200	539.6
398	.90000	.80000	928.00	.6730-01	.5520-01	.6500-01	.1209-02	.1001-02	.1167-02	.7520	6.004	536.9
398	.95000	.00000	929.00	.9330-01	.7730-01	.8390-01	.1675-02	.1387-02	.1504-02	1.039	7.737	536.7
398	.95000	.50000	930.00	.1512	.1250	.1363	.2713-02	.2244-02	.2447-02	1.670	12.00	543.5
398	.95000	.10000	931.00	.1644	.1358	.1502	.2950-02	.2437-02	.2696-02	1.807	13.40	546.5
398	.95000	.20000	932.00	.1832	.1563	.1747	.3396-02	.2805-02	.3135-02	2.076	14.42	547.7
398	.95000	.30000	933.00	.1938	.1600	.1732	.3478-02	.2872-02	.3217-02	2.123	15.23	548.3
398	.95000	.50000	934.00	.1386	.1146	.1285	.2468-02	.2056-02	.2307-02	1.527	11.34	545.0
398	.95000	.70000	935.00	.9260-01	.7660-01	.8660-01	.1662-02	.1375-02	.1555-02	1.028	7.774	540.5
398	.95000	.80000	936.00	.9240-01	.7650-01	.8830-01	.1659-02	.1374-02	.1579-02	1.029	7.666	538.4
398	.95000	.90000	937.00	.6250-01	.5180-01	.6030-01	.1122-02	.9300-03	.1082-02	.6990	5.305	535.6

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L42)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -7.000 SPOBRK = 40.00
 BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PC PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
405	7.940	1.025	40.07	.0000	180.0	210.2	.2300-01	1264.	92.90	.9930	3749.	.2043-04
406	7.940	1.021	40.07	.0000	180.0	209.5	.2300-01	1264.	92.90	.9950	3749.	.2036-04
407	7.940	1.020	40.06	.0000	180.0	209.9	.2300-01	1266.	93.00	.9970	3753.	.2036-04

RUN NUMBER	MU	LB-SEC /FT ²	ST FR R =
405	7476-07		0.0175
406	7477-07		4021-01
407	7490-07		4029-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H18TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ FT2SEC	OTWDT DEG. R /SEC	TW DEG. R
407	30000	.0000	845.00	.4350-01	.3590-01	.3900-01	.1062-02	.8757-03	.9511-03	.6310	7.023	545.5
407	30000	.5000-01	846.00	.1460	.1197	.1313	.3562-02	.2922-02	.3203-02	2.058	22.73	561.6
407	30000	.1000-00	847.00	.1362	.1119	.1234	.3325-02	.2730-02	.3007-02	1.932	16.43	558.5
407	30000	.2000	848.00	.1271	.1045	.1150	.3102-02	.2550-02	.2872-02	1.812	12.95	555.5
407	30000	.4000	850.00	.7710-01	.6320-01	.7090-01	.1681-02	.1544-02	.1723-02	.091	7.777	559.5
407	30000	.5000	851.00	.6480-01	.5320-01	.6000-01	.1582-02	.1298-02	.1465-02	.9150	6.740	560.8
407	30000	.6000	852.00	.6080-01	.4990-01	.5630-01	.1483-02	.1217-02	.1373-02	.8590	6.331	559.9
407	30000	.7000	853.00	.5370-01	.4410-01	.4990-01	.1310-02	.1075-02	.1215-02	.7600	5.421	559.1
407	30000	.8000	854.00	.6080-01	.4990-01	.5670-01	.1484-02	.1219-02	.1384-02	.8630	6.365	558.0
407	30000	.9000	855.00	.2490-01	.2060-01	.2380-01	.6081-03	.5017-03	.5812-03	.3630	2.652	542.8
407	30000	.9500	855.00	.3540-01	.2920-01	.3420-01	.8547-03	.7133-03	.8349-03	.5160	3.707	543.2
407	35000	.0000	857.00	.1005	.8270-01	.8990-01	.2453-02	.2017-02	.2193-02	1.437	12.26	553.6
407	40000	.0000	859.00	.1734	.1421	.1547	.4231-02	.3467-02	.3715-02	2.431	24.36	565.0
407	40000	.5000-01	859.00	.3483	.2848	.3072	.8501-02	.6950-02	.7497-02	4.624	34.18	572.0
407	40000	.1000-00	860.00	.2422	.1983	.2186	.5910-02	.4840-02	.5335-02	3.387	24.07	566.4
407	40000	.2000	861.00	.1450	.1189	.1334	.3539-02	.2902-02	.3256-02	2.040	15.01	563.0
407	40000	.3000	862.00	.1212	.9940-01	.1122	.2958-02	.2426-02	.2738-02	1.707	12.16	562.3

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWCT DEG. R /SEC	TW DEG. R
407	40000	40000	863.00	.1022	.8380-01	.9460-01	.2493-02	.2045-02	.2309-02	1.441	10.97	561.6
407	40000	60000	864.00	.7790-01	.6400-01	.7210-01	.1902-02	.1563-02	.1758-02	1.109	7.437	556.7
407	40000	70000	865.00	.9310-01	.7850-01	.8620-01	.2272-02	.1866-02	.2105-02	1.322	8.864	557.6
407	40000	80000	866.00	.8080-01	.6640-01	.7510-01	.1971-02	.1620-02	.1834-02	1.151	8.495	555.8
407	40000	85000	867.00	.5620-01	.4630-01	.5320-01	.1371-02	.1130-02	.1297-02	.8120	6.125	547.1
407	40000	90000	868.00	.4390-01	.3620-01	.4230-01	.1072-02	.8835-03	.1032-02	.6370	5.460	544.7
407	40000	95000	869.00	.3340-01	.2760-01	.3250-01	.8157-03	.7330-03	.7920-03	4.870	3.949	542.4
407	50000	10000	871.00	.4811	.3912	.4273	.1174-01	.9548-02	.1043-01	6.472	52.24	588.2
407	50000	50000-01	872.00	.3476	.2840	.3083	.8482-02	.6932-02	.7516-02	4.801	36.34	573.5
407	50000	10000+00	873.00	.2136	.1751	.1944	.5212-02	.4273-02	.4744-02	3.004	22.10	563.0
407	50000	20000	874.00	.1469	.1206	.1355	.3586-02	.2943-02	.3308-02	2.076	14.80	560.5
407	50000	30000	875.00	.1158	.9510-01	.1071	.2826-02	.2320-02	.2613-02	1.640	11.70	559.2
407	50000	40000	876.00	.9830-01	.8070-01	.9100-01	.2399-02	.1966-02	.2220-02	1.393	9.935	558.8
407	50000	50000	877.00	.8710-01	.7160-01	.8080-01	.2127-02	.1747-02	.1971-02	1.237	8.954	557.8
407	50000	60000	878.00	.4170-01	.3440-01	.3880-01	.1017-02	.8391-03	.9461-03	.6060	4.740	543.6
407	50000	70000	879.00	.6256	.5017	.5510	.1527-01	.1224-01	.1345-01	7.813	64.36	626.9
407	60000	80000	880.00	.5815	.4672	.5126	.1419-01	.1140-01	.1251-01	7.343	65.58	622.0
407	60000	25000-01	881.00	.6909	.5587	.5953	.1686-01	.1364-01	.1453-01	9.025	67.28	604.2
407	60000	50000-01	882.00	.3798	.3088	.3364	.9259-02	.7554-02	.8210-02	5.106	48.37	588.6
407	60000	75000-01	883.00	.3795	.3096	.3427	.9261-02	.7554-02	.8364-02	5.192	37.89	578.9
407	60000	10000+00	884.00	.2906	.2380	.2655	.7091-02	.5808-02	.6479-02	4.063	28.87	566.6
407	60000	20000	885.00	.1765	.1449	.1632	.308-02	.3537-02	.3963-02	2.502	17.85	558.7
407	60000	30000	886.00	.1528	.1253	.1412	.3729-02	.3059-02	.3446-02	2.154	14.41	561.9
407	60000	40000	887.00	.1269	.1041	.1172	.3097-02	.2541-02	.2860-02	1.790	12.36	561.5
407	60000	50000	888.00	.1199	.9840-01	.1112	.2925-02	.2401-02	.2709-02	1.698	11.73	559.1
407	60000	60000	889.00	.1083	.8950-01	.1013	.2659-02	.2194-02	.2464-02	1.549	10.71	557.0
407	60000	80000	891.00	.5420-01	.4460-01	.5133-01	.1322-02	.1089-02	.1251-02	.7840	5.815	546.4
407	60000	85000	892.00	.5820-01	.4800-01	.5543-01	.1421-02	.1171-02	.1351-02	.8450	6.170	544.8
407	60000	90000	893.00	.5140-01	.4240-01	.4963-01	.1255-02	.1035-02	.1212-02	.7500	5.665	542.2
407	60000	95000	894.00	.3920-01	.3240-01	.3813-01	.9577-03	.7908-03	.9300-03	.5740	4.347	539.8
407	65000	10000	895.00	.3535	.2920	.3190	.8773-02	.7125-02	.7785-02	4.803	40.18	592.0
407	70000	20000	896.00	.1533	.1254	.1365	.3741-02	.3060-02	.3334-02	2.128	27.51	570.8
407	70000	25000-01	897.00	.2427	.1987	.2105	.5324-02	.4850-02	.5136-02	3.386	31.05	568.0
407	70000	10000+00	898.00	.2556	.2095	.2331	.6237-02	.5112-02	.5689-02	3.589	24.73	564.1
407	70000	20000	899.00	.2067	.1697	.1905	.5044-02	.4142-02	.4649-02	2.933	18.02	558.0
407	70000	30000	900.00	.1613	.1379	.1554	.4096-02	.3365-02	.3753-02	2.387	14.68	556.8
407	70000	40000	901.00	.1479	.1214	.1369	.3509-02	.2964-02	.3341-02	2.099	13.27	557.7
407	70000	50000	902.00	.1328	.1091	.1231	.3241-02	.2662-02	.3003-02	1.886	11.92	557.6
407	70000	60000	903.00	.5650-01	.4660-01	.5410-01	.1378-02	.1137-02	.1327-02	.8220	5.910	542.9
407	75000	10000	904.00	.1654	.1360	.1479	.4036-02	.3320-02	.3609-02	2.370	18.78	552.3
407	75000	25000-01	905.00	.3217	.2625	.2778	.7850-02	.6406-02	.6778-02	4.407	34.47	578.2
407	75000	50000-01	906.00	.3356	.2747	.3003	.8190-02	.6704-02	.7328-02	4.677	34.31	568.4
407	75000	10000+00	907.00	.2917	.2350	.2660	.7120-02	.1133-02	.6492-02	4.084	28.12	565.9

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RUN
NUMBER

X/C

T/C NO

H/HREF
R=0.9H/HREF
R=1.0H/HREF
(TAW)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

H1(9T0)
BTU/ R
FT2SECH1(T0)
BTU/ R
FT2SECH1(TAW)
BTU/ R
FT2SECQDOT
BTU/
FT2SECDTADT
DEG. R
/SECIH
DEG. R

(RVIL42)

407	.75000	.20000	908.00	.2053	.1686	.1894	.5011-02	.4115-02	.4621-02	2.913	20.14	558.2
407	.75000	.30000	909.00	.1708	.1404	.1579	.4168-02	.3426-02	.3854-02	2.435	15.41	555.3
407	.75000	.40000	910.00	.1429	.1174	.1322	.3488-02	.2866-02	.3226-02	2.035	13.25	556.2
407	.75000	.60000	911.00	.1300	.1069	.1215	.3173-02	.2608-02	.2941-02	1.854	12.44	555.4
407	.75000	.80000	912.00	.6890-01	.5670-01	.6510-01	.1680-02	.1384-02	.1589-02	.950	8.201	547.1
407	.75000	.90000	913.00	.5930-01	.4890-01	.5710-01	.1446-02	.1193-02	.1393-02	.8640	6.322	541.8
407	.75000	.95000	914.00	.4370-01	.3610-01	.4240-01	.1067-02	.6806-03	.1034-02	.6390	4.837	540.2
407	.80000	.00000	915.00	.2635	.2151	.2345	.6431-02	.5248-02	.5723-02	3.614	32.99	577.5
407	.80000	.20000	916.00	.2049	.1682	.1890	.5000-02	.4104-02	.4613-02	2.899	20.02	559.8
407	.80000	.40000	917.00	.1501	.1233	.1387	.3663-02	.3009-02	.3384-02	2.132	15.22	557.4
407	.80000	.60000	918.00	.6450-01	.5320-01	.6210-01	.1571-02	.1298-02	.1515-02	.9390	6.862	543.0
407	.85000	.00000	919.00	.2991	.2444	.2664	.7300-02	.5965-02	.6501-02	4.128	32.35	574.0
407	.85000	.20000	920.00	.2120	.1740	.1951	.5173-02	.4246-02	.4762-02	3.001	21.40	559.4
407	.85000	.40000	921.00	.1670	.1372	.1549	.4077-02	.3349-02	.3762-02	2.374	17.52	557.1
407	.85000	.60000	922.00	.1734	.1424	.1549	.4231-02	.3475-02	.3779-02	2.462	19.45	558.3
407	.90000	.00000	923.00	.2290	.1880	.2097	.5598-02	.4588-02	.5117-02	3.248	23.94	557.4
407	.90000	.20000	924.00	.1890	.1552	.1742	.4611-02	.3788-02	.4251-02	2.684	19.16	555.9
407	.90000	.40000	925.00	.1619	.1330	.1496	.3950-02	.3246-02	.3650-02	2.305	16.47	546.6
407	.90000	.60000	926.00	.8160-01	.6720-01	.7700-01	.1991-02	.1641-02	.1880-02	1.181	9.216	543.5
407	.90000	.80000	927.00	.6150-01	.5070-01	.5930-01	.1500-02	.1237-02	.1446-02	.8940	7.114	543.0
407	.95000	.00000	928.00	.9100-01	.7510-01	.8150-01	.2222-02	.1833-02	.1990-02	1.325	9.847	550.8
407	.95000	.20000	929.00	.1480	.1218	.1331	.3612-02	.2973-02	.3248-02	2.126	15.23	553.1
407	.95000	.40000	930.00	.1648	.1355	.1502	.4021-02	.3307-02	.3666-02	2.358	17.43	555.0
407	.95000	.60000	931.00	.1908	.1568	.1757	.4656-02	.3827-02	.4289-02	2.721	18.84	556.0
407	.95000	.80000	932.00	.1892	.1555	.1746	.4618-02	.3795-02	.4262-02	2.695	19.25	554.2
407	.95000	.00000	933.00	.1347	.1107	.1246	.3287-02	.2702-02	.3041-02	1.924	14.21	547.4
407	.95000	.20000	934.00	.9330-01	.7690-01	.8720-01	.2278-02	.1877-02	.2127-02	1.349	10.17	544.3
407	.95000	.40000	935.00	.9180-01	.7570-01	.8720-01	.2240-02	.1847-02	.2129-02	1.333	9.898	541.5
407	.95000	.60000	936.00	.6280-01	.5160-01	.6050-01	.1532-02	.1264-02	.1476-02	.9160	6.929	

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -7.000 SPOBRK = 40.00
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
414	7.980	1.979	40.09	.0000	180.0	430.6	.4500-01	1302.	94.80	1.998	3807.	.3968-04
415	7.980	1.965	40.12	.0000	180.0	429.8	.4500-01	1307.	95.10	1.995	3814.	.3946-04
416	7.980	1.958	40.10	.0000	180.0	429.1	.4500-01	1309.	95.30	1.991	3816.	.3934-04

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
414	7.980	1.979	40.09	.0000	180.0	430.6	.4500-01	1302.	94.80	1.998	3807.	.3968-04
415	7.980	1.965	40.12	.0000	180.0	429.8	.4500-01	1307.	95.10	1.995	3814.	.3946-04
416	7.980	1.958	40.10	.0000	180.0	429.1	.4500-01	1309.	95.30	1.991	3816.	.3934-04

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19TO BTU/ R FT2SEC	H1TO1 BTU/ R FT2SEC	H1TAN BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
416	30000	.00000	845.00	.4280-01	.3540-01	.3840-01	.1484-02	.1228-02	.1332-02	.9320	10.35	549.8
415	30000	.50000-01	845.00	.1422	.1167	.1275	.4933-02	.4048-02	.4437-02	2.950	32.27	579.8
416	30000	.10000+00	847.00	.1262	.1037	.1142	.4378-02	.3599-02	.3982-02	2.647	22.35	573.1
416	30000	.20000	848.00	.1244	.1024	.1136	.4315-02	.3552-02	.3941-02	2.629	18.66	568.3
416	30000	.40000	850.00	.6870-01	.5640-01	.6320-01	.2393-02	.1958-02	.2192-02	1.435	10.15	575.6
416	30000	.50000	851.00	.5870-01	.4820-01	.5440-01	.2036-02	.1671-02	.1886-02	1.220	8.901	578.6
416	30000	.60000	852.00	.700-01	.5990-01	.6750-01	.2534-02	.2079-02	.2346-02	1.515	11.05	579.9
416	30000	.70000	853.00	.9040-01	.7410-01	.8390-01	.3136-02	.2573-02	.2907-02	1.875	13.24	579.6
416	30000	.80000	854.00	.1127	.9250-01	.1051	.3910-02	.3208-02	.3645-02	2.338	17.06	579.6
416	30000	.90000	855.00	.4770-01	.3940-01	.4550-01	.1654-02	.1367-02	.1581-02	1.031	7.493	554.2
416	30000	.95000	856.00	.5540-01	.4580-01	.5350-01	.1921-02	.1588-02	.1855-02	1.199	8.573	553.7
416	35000	.00000	857.00	.1034	.6820-01	.9260-01	.3586-02	.2956-02	.3211-02	2.202	18.68	583.5
416	40000	.00000	858.00	.1704	.1396	.1521	.5912-02	.4845-02	.5275-02	3.513	34.87	583.5
416	40000	.50000-01	859.00	.3343	.2729	.2945	.1160-01	.9468-02	.1022-01	6.743	47.21	596.3
416	40000	.10000+00	860.00	.2402	.1966	.2167	.8233-02	.6820-02	.7518-02	4.915	34.56	587.8
416	40000	.20000	861.00	.1472	.1207	.1354	.5107-02	.4189-02	.4698-02	3.049	22.23	580.5
416	40000	.30000	862.00	.1218	.9990-01	.1127	.4225-02	.3465-02	.3911-02	2.520	17.78	581.1

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OH-49B (AEDC V41B-57A) OFBITER LOWER HING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TD) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(11AH) BTU/ R F12SEC	MMOT BTU/ R F12SEC	DTMDT DEG. R /SEC	TW DEG. R
416	40000	40000	863.00	.1032	.8450-01	.9560-01	.3581-02	.2935-02	.3315-02	2.131	16.06	582.4
416	40000	50000	864.00	.1012	.8310-01	.9350-01	.3511-02	.2882-02	.3244-02	2.107	13.99	577.5
416	40000	70000	865.00	.1255	.1031	.1163	.3555-02	.3576-02	.4034-02	2.516	17.37	577.0
416	40000	75000	866.00	.1136	.9330-01	.1056	.3541-02	.3239-02	.3665-02	2.378	17.40	574.1
416	40000	85000	867.00	.7600-01	.6270-01	.7190-01	.2637-02	.2176-02	.2496-02	1.631	12.22	559.1
416	40000	90000	868.00	.6130-01	.5060-01	.5900-01	.2126-02	.1756-02	.2048-02	1.320	11.24	556.7
416	40000	95000	869.00	.5200-01	.4300-01	.5050-01	.1803-02	.1490-02	.1751-02	1.125	9.085	553.9
416	50000	00000	871.00	.4736	.3937	.4197	.1643-01	.1331-01	.1456-01	9.183	73.01	618.8
416	50000	00000-01	872.00	.3356	.2768	.3004	.1178-01	.9503-02	.1042-01	6.791	50.71	601.3
416	50000	10000+00	873.00	.2165	.1773	.1970	.7511-02	.6153-02	.6834-02	4.453	32.40	584.8
416	50000	20000	874.00	.1472	.1208	.1358	.5107-02	.4192-02	.4710-02	3.061	21.62	578.3
416	50000	30000	875.00	.1156	.9490-01	.1068	.5009-02	.3292-02	.3707-02	2.410	17.04	576.8
416	50000	40000	876.00	.9730-01	.7980-01	.9000-01	.3374-02	.2769-02	.3.22-02	2.021	14.27	578.8
416	50000	50000	877.00	.9110-01	.7480-01	.8440-01	.3162-02	.2597-02	.2930-02	1.899	13.00	577.3
416	50000	60000	878.00	.4650-01	.4010-01	.4510-01	.1683-02	.1391-02	.1566-02	1.049	8.157	554.3
416	55000	00000	879.00	.6066	.4818	.5312	.2105-01	.1672-01	.1843-01	10.63	85.54	672.5
416	60000	00000	880.00	.5732	.4563	.5027	.1989-01	.1383-01	.1744-01	10.16	88.84	666.6
416	60000	25000-01	881.00	.6892	.5534	.5907	.2391-01	.1920-01	.2049-01	12.75	93.21	644.5
416	60000	50000-01	882.00	.3819	.3091	.3373	.1325-01	.1072-01	.1170-01	7.556	68.53	622.6
416	60000	75000-01	883.00	.2853	.2331	.3458	.9897-02	.8087-02	.9032-02	5.786	54.32	609.9
416	60000	10000+00	884.00	.1794	.1471	.1658	.6225-02	.5104-02	.5752-02	3.710	26.16	581.7
416	60000	20000	885.00	.1555	.1275	.1436	.5394-02	.4422-02	.4983-02	3.212	21.27	582.3
416	60000	30000	886.00	.1388	.1138	.1281	.4816-02	.3948-02	.4444-02	2.869	19.60	582.0
416	60000	40000	887.00	.1244	.1021	.1152	.4317-02	.3543-02	.3997-02	2.587	17.70	578.4
416	60000	50000	888.00	.1152	.9470-01	.1068	.3993-02	.3285-02	.3705-02	2.409	16.51	575.2
416	60000	60000	889.00	.5780-01	.4770-01	.5470-01	.2005-02	.1655-02	.1938-02	1.242	9.160	558.0
416	60000	65000	891.00	.6470-01	.5350-01	.6160-01	.2246-02	.1856-02	.2137-02	1.397	10.15	555.6
416	60000	70000	892.00	.5720-01	.4730-01	.5520-01	.1984-02	.1641-02	.1916-02	1.240	9.324	552.7
416	60000	75000	893.00	.4220-01	.3490-01	.4100-01	.1465-02	.1212-02	.1423-02	.9190	6.922	550.0
416	60000	80000	894.00	.3528	.2857	.3126	.1224-01	.9912-02	.1037-01	6.823	56.30	620.2
416	60000	85000	895.00	.1533	.1253	.1366	.5319-02	.4349-02	.4740-02	3.119	39.93	591.2
416	70000	25000-01	897.00	.2451	.2006	.2125	.8505-02	.6950-02	.7371-02	5.014	45.53	588.1
416	70000	10000+00	898.00	.2171	.2106	.2344	.8921-02	.7306-02	.8133-02	5.232	36.02	585.6
416	70000	20000	899.00	.2059	.1689	.1897	.7145-02	.5859-02	.6591-02	4.550	25.87	581.4
416	70000	30000	900.00	.1687	.1384	.1561	.5852-02	.4803-02	.5417-02	3.507	21.33	578.5
416	70000	40000	901.00	.1512	.1241	.1400	.5247-02	.4307-02	.4856-02	3.144	19.67	578.1
416	70000	50000	902.00	.1402	.1152	.1239	.4866-02	.3996-02	.4509-02	2.926	18.33	573.2
416	70000	60000	903.00	.5980-01	.4940-01	.5760-01	.2074-02	.1715-02	.1993-02	1.295	9.253	553.4
416	70000	70000	904.00	.1488	.1226	.1332	.5162-02	.4255-02	.4622-02	3.169	24.96	563.8
416	75000	25000-01	905.00	.3245	.2643	.2798	.1126-01	.9172-02	.9708-02	6.470	49.99	603.0
416	75000	50000-01	906.00	.3337	.2728	.2983	.1158-01	.9466-02	.1035-01	6.792	49.27	591.0
416	75000	10000+00	907.00	.2910	.2381	.2657	.1010-01	.8260-02	.9199-02	5.940	40.43	569.4

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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AEDC VKF V418-57A (OH-498) COLLATION DECK

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(RVIL42)

OH-438 (AEDC V418-57A) ORBITER LOWER WING

PLN NUMBER	2Y/B	X C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9°O) BTU R FT2SLC	H(10°) BTU R FT2SEC	H(TAN) BTU R FT2SEC	QOOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
416	.75000	.20000	908.00	.1985	.1628	.1829	.6887-02	.5649-02	.6347-02	4.111	28.10	580.8
416	.75000	.30000	909.00	.1671	.1372	.1544	.5789-02	.4762-02	.5359-02	3.483	21.81	577.0
415	.75000	.40000	910.00	.1441	.1182	.1332	.4999-02	.4103-02	.4620-02	2.994	19.28	578.6
415	.75000	.50000	911.00	.1323	.1087	.1225	.4590-02	.3771-02	.4254-02	2.766	18.39	575.0
415	.75000	.60000	912.00	.1190-01	.5930-01	.6800-01	.2434-02	.2057-02	.2359-02	1.539	12.59	580.6
416	.75000	.70000	913.00	.6270-01	.5180-01	.6440-01	.2174-02	.1788-02	.2095-02	1.359	9.887	552.5
416	.75000	.80000	914.00	.4210-01	.3490-01	.4780-01	.1461-02	.1209-02	.1417-02	.9160	6.897	550.7
415	.80000	.90000	915.00	.2627	.2140	.2336	.9114-02	.7426-02	.8105-02	5.246	47.31	602.0
416	.80000	.20000	916.00	.2110	.1731	.1945	.7319-02	.6005-02	.6750-02	4.378	29.94	579.6
416	.80000	.40000	917.00	.1423	.1191	.1347	.5042-02	.4134-02	.4653-02	3.003	21.18	581.9
416	.80000	.60000	918.00	.6810-01	.5630-01	.6550-01	.2362-02	.1952-02	.2274-02	1.471	10.69	554.8
416	.85000	.80000	919.00	.3075	.2477	.2702	.1053-01	.8555-02	.9374-02	6.117	47.41	596.8
416	.85000	.20000	920.00	.2078	.1704	.1912	.7210-02	.5912-02	.6633-02	4.297	30.30	581.8
416	.85000	.40000	921.00	.1712	.1402	.1578	.5840-02	.4866-02	.5474-02	3.521	25.62	584.8
416	.90000	.00000	922.00	.1668	.1372	.1492	.5788-02	.4759-02	.5175-02	3.505	27.49	572.1
416	.90000	.10000+00	923.00	.2274	.1867	.2052	.7889-02	.6479-02	.7224-02	4.744	34.66	576.3
416	.90000	.30000	925.00	.1937	.1580	.1775	.6686-02	.5483-02	.6158-02	3.586	28.12	581.5
416	.90000	.50000	926.00	.1670	.1368	.1541	.5793-02	.4747-02	.5345-02	3.441	24.25	583.6
416	.90000	.70000	927.00	.8260-01	.6910-01	.7800-01	.2867-02	.2363-02	.2706-02	1.760	13.22	563.8
416	.90000	.90000	928.00	.6510-01	.5390-01	.6280-01	.2250-02	.1865-02	.2178-02	1.402	11.09	557.1
416	.95000	.00000	929.00	.9130-01	.7550-01	.8130-01	.3165-02	.2620-02	.2847-02	1.987	14.71	550.2
416	.95000	.50000-01	930.00	.1449	.1195	.1307	.5027-02	.4146-02	.4525-02	3.097	22.06	561.5
416	.95000	.10000+00	931.00	.1640	.1352	.1496	.5690-02	.4683-02	.5189-02	3.464	25.41	568.7
416	.95000	.20000	932.00	.1653	.1357	.1515	.6453-02	.5310-02	.5951-02	3.895	25.70	575.0
416	.95000	.30000	933.00	.1865	.1530	.1720	.6471-02	.5310-02	.5951-02	3.871	27.33	579.4
416	.95000	.40000	934.00	.1208	.1042	.1172	.4399-02	.3614-02	.4067-02	2.651	19.39	574.8
416	.95000	.50000	935.00	.1043	.8590-01	.9740-01	.3619-02	.2930-02	.3379-02	2.209	16.49	567.1
416	.95000	.60000	936.00	.1012	.8340-01	.9620-01	.3503-02	.2895-02	.3336-02	2.164	15.94	560.9
416	.95000	.70000	937.00	.6210-01	.5130-01	.5980-01	.2154-02	.1781-02	.2076-02	1.344	10.10	553.8

PARAMETRIC DATA												
ALPHA = 40.00		BETA = .0000		ELEVTR = -7.000		SPDRBK = 40.00						
BDFLAP = 15.00		MACH = 8.000										
TEST CONDITIONS												
RUN NUMBER	MACH	RN/L X:0.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
423	8.000	3.726	40.07	.0000	180.0	860.0	.8800-01	1348.	97.70	3.946	3875.	.7584-04
424	8.000	3.751	40.11	.0000	180.0	860.7	.8800-01	1343.	97.32	3.950	3867.	.7600-04
425	8.000	3.746	40.09	.0000	180.0	859.1	.8800-01	1343.	97.30	3.942	3867.	.7588-04

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(RVIL42)

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(GTO) BTU/R FT2SEC	H(UTO) BTU/R FT2SEC	H(TAW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG/R /SEC	TW DEG. R
425	.40000	.40000	863.00	.2430	.1978	.2243	.1191-01	.9699-02	.1100-01	7.005	51.82	620.3
425	.40000	.60000	864.00	.3523	.2668	.3244	.1728-01	.1406-01	.1591-01	10.16	66.03	620.3
425	.40000	.70000	865.00	.3640	.2958	.3357	.1785-01	.1450-01	.1646-01	10.39	67.32	626.4
425	.40000	.75000	866.00	.3238	.2638	.3001	.1588-01	.1293-01	.1472-01	9.362	66.99	618.8
425	.40000	.85000	867.00	.1571	.1294	.1486	.7703-02	.6344-02	.7287-02	4.831	35.81	581.2
425	.40000	.90000	868.00	.1365	.1125	.1315	.6693-02	.5517-02	.6446-02	4.217	35.52	578.3
425	.40000	.95000	869.00	.1341	.1107	.1302	.6578-02	.5427-02	.6385-02	4.164	33.21	575.3
425	.50000	.00000	871.00	.4783	.3838	.4215	.2346-01	.1882-01	.2067-01	12.79	99.56	663.0
425	.50000	.50000-01	872.00	.2631	.923	.3194	.1781-01	.1438-01	.1566-01	10.04	73.42	644.4
425	.50000	.10000+00	873.00	.2385	.1943	.2164	.1170-01	.9528-02	.1061-01	6.897	49.36	618.7
425	.50000	.20000	874.00	.1869	.1525	.1715	.9158-02	.7483-02	.8431-02	5.490	38.20	608.9
425	.50000	.30000	875.00	.1911	.1561	.1763	.9370-02	.7655-02	.8045-02	5.615	39.07	609.1
425	.50000	.40000	876.00	.2150	.1754	.1984	.1054-01	.9601-02	.9731-02	6.276	43.59	612.9
425	.50000	.50000	877.00	.3060	.2492	.2825	.1500-01	.1222-01	.1385-01	8.836	59.26	619.4
425	.50000	.60000	878.00	.1488	.1227	.1583	.7297-02	.6017-02	.6784-02	4.604	35.39	577.3
425	.60000	.00000	879.00	.5746	.4477	.4974	.2818-01	.2203-01	.2442-01	13.35	114.3	730.3
425	.60000	.00000	880.00	.5747	.4487	.4983	.3338-01	.2629-01	.2821-01	16.62	117.8	710.3
425	.60000	.25000-01	881.00	.6837	.5362	.5753	.1786-01	.1423-01	.1563-01	9.406	85.17	681.8
425	.60000	.50000-01	882.00	.3643	.2903	.3187	.2017-01	.1618-01	.1805-01	11.00	77.03	663.0
425	.60000	.75000-01	883.00	.4113	.3300	.3682	.1554-01	.1259-01	.1412-01	8.906	61.18	635.2
425	.60000	.10000+00	884.00	.3159	.2567	.2883	.1043-01	.8510-02	.9617-02	6.210	43.12	613.0
425	.60000	.20000	885.00	.2127	.1736	.1961	.1047-01	.8543-02	.9656-02	6.220	40.54	614.5
425	.60000	.30000	886.00	.2136	.1742	.1963	.1048-01	.8547-02	.9651-02	6.221	41.82	614.7
425	.60000	.40000	887.00	.2137	.1743	.1963	.1039-01	.8486-02	.9604-02	6.209	44.28	610.9
425	.60000	.50000	888.00	.2120	.1731	.1953	.1092-01	.8929-02	.1010-01	6.565	44.28	607.4
425	.60000	.60000	889.00	.2228	.1821	.2067	.6504-02	.5364-02	.6155-02	4.110	30.03	576.4
425	.60000	.80000	891.00	.1326	.1034	.1255	.6904-02	.5700-02	.6569-02	4.38	31.59	572.8
425	.65000	.00000	892.00	.1408	.1162	.1333	.6329-02	.5232-02	.6113-02	4.053	30.24	568.0
425	.60000	.90000	893.00	.1231	.1067	.1247	.5292-02	.4382-02	.5140-02	3.419	25.59	562.2
425	.60000	.95000	894.00	.1079	.8940-01	.1048	.1722-01	.1384-01	.1519-01	9.478	76.79	657.9
425	.65000	.00000	895.00	.3511	.2823	.3097	.1262-01	.1037-01	.1083-01	7.403	59.90	617.4
425	.70000	.00000	896.00	.1636	.1454	.1636	.1369-01	.1122-01	.1242-01	7.951	53.11	627.6
425	.70000	.25000-01	897.00	.2574	.2095	.2222	.1200-01	.8323-02	.9407-02	6.125	36.74	606.6
425	.70000	.50000+00	898.00	.2732	.2268	.2535	.1018-01	.8323-02	.9407-02	6.125	36.74	606.6
425	.70000	.75000	899.00	.2448	.1937	.2243	.9873-02	.8070-02	.9123-02	5.934	36.60	607.3
425	.70000	.90000	900.00	.2076	.1697	.1913	.1064-01	.8690-02	.9838-02	6.401	39.49	606.6
425	.70000	.40000	901.00	.2013	.1646	.1863	.5285-02	.4371-02	.5094-02	3.393	24.12	566.3
425	.70000	.60000	902.00	.1773	.1473	.1636	.1049-01	.8607-02	.9366-02	6.447	50.04	593.6
425	.70000	.80000	903.00	.1078	.8910-01	.1033	.1676-01	.1325-01	.1406-01	9.304	70.58	640.7
425	.75000	.00000	904.00	.2139	.1755	.1913	.1558-01	.1262-01	.1413-01	8.939	59.51	634.5
425	.75000	.25000-01	905.00	.2139	.1755	.1913						
425	.75000	.50000	906.00	.3342	.2867	.3040						
425	.75000	.75000	907.00	.3417	.2770	.3040						
425	.75000	.10000+00	907.00	.3177	.2574	.2881						

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

ROW NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	W/HREF R=1.0	H/HREF (TAN)	H(9T) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
425	.75000	.20000	908.00	.2381	.1940	.2188	.1167-01	.9512-02	.1073-01	6.895	46.28	617.7
425	.75000	.30000	909.00	.2052	.1711	.1930	.1026-01	.8330-02	.9465-02	6.184	38.17	605.6
425	.75000	.40000	910.00	.1922	.1571	.1774	.9426-02	.7703-02	.8697-02	5.659	35.92	608.0
425	.75000	.60000	911.00	.1882	.1541	.1882	.9228-02	.7551-02	.8539-02	5.592	36.67	602.3
425	.75000	.80000	912.00	.1302	.1073	.1231	.6384-02	.5262-02	.6038-02	4.020	32.60	578.6
425	.75000	.90000	913.00	.1187	.9820-01	.1144	.5822-02	.4817-02	.5609-02	3.746	27.07	565.0
425	.95000	.95000	914.00	.8950-01	.7410-01	.8630-01	.4387-02	.3633-02	.4255-02	2.835	21.22	562.1
425	.80000	.00000	915.00	.2712	.2195	.2402	.1330-01	.1076-01	.1178-01	7.578	67.14	639.5
425	.80000	.20000	916.00	.2396	.1950	.2202	.1175-01	.9564-02	.1080-01	6.908	46.31	620.3
425	.80000	.40000	917.00	.1361	.1630	.1840	.9798-02	.7992-02	.9053-02	5.923	40.42	614.0
425	.80000	.60000	918.00	.1361	.1125	.1310	.6676-02	.5514-02	.6426-02	4.255	30.66	571.1
425	.85000	.00000	919.00	.3122	.2534	.2770	.1531-01	.1243-01	.1358-01	8.855	67.52	623.9
425	.85000	.20000	920.00	.2490	.2024	.2232	.1221-01	.9927-02	.1119-01	7.134	49.28	624.0
425	.85000	.40000	921.00	.2203	.1792	.2024	.1080-01	.8788-02	.9925-02	6.329	45.21	622.3
425	.90000	.00000	922.00	.1741	.1430	.1556	.3537-02	.7013-02	.7628-02	5.276	41.02	590.3
425	.90000	.10000+00	923.00	.2506	.2045	.2238	.1229-01	.1003-01	.112-01	7.317	52.51	612.9
425	.90000	.30000	925.00	.2436	.1980	.2236	.1195-01	.9712-02	.1096-01	6.970	48.12	621.9
425	.90000	.50000	926.00	.2202	.1793	.2026	.1080-01	.8731-02	.9935-02	6.352	43.97	620.0
425	.90000	.80000	927.00	.2376	.1951	.2241	.1165-01	.9565-02	.1099-01	7.173	54.73	592.7
425	.90000	.90000	928.00	.1904	.1568	.1836	.9338-02	.7691-02	.9002-02	5.153	45.73	581.3
425	.95000	.00000	929.00	.9940-01	.8240-01	.8930-01	.4872-02	.4043-02	.4380-02	3.187	23.55	554.2
425	.95000	.50000-01	930.00	.1650	.1360	.1485	.8091-02	.6671-02	.7282-02	5.104	36.07	577.5
425	.95000	.10000+00	931.00	.1826	.1507	.1672	.9001-02	.7389-02	.8198-02	5.534	40.09	533.5
425	.95000	.20000	932.00	.2123	.1735	.1950	.1041-01	.8508-02	.9563-02	6.253	42.18	607.6
425	.95000	.30000	933.00	.2223	.1812	.2044	.1090-01	.8884-02	.1002-01	6.446	44.68	617.0
425	.95000	.50000	934.00	.1588	.1299	.1466	.7788-02	.6370-02	.7189-02	7.698	33.84	605.2
425	.95000	.70000	935.00	.2496	.2047	.2327	.1224-01	.1004-01	.1141-01	7.499	55.20	595.5
425	.95000	.80000	936.00	.2865	.2352	.2720	.1405-01	.1153-01	.1334-01	8.642	62.62	593.2
425	.95000	.90000	937.00	.2157	.1778	.2077	.1058-01	.8717-02	.1019-01	6.654	49.37	579.2

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LOWER WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RV1L43)

PARAMETRIC DATA

ALPHA = 20.00 BETA = .000C ELEVTR = -30.00 SPOBRK = 40.00
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
450	7.900	.5299	19.99	.0000	180.0	109.5	.1200-01	1281.	95.00	.5320	3773.	.1074-04
451	7.900	.5307	19.99	.0000	180.0	110.1	.1200-01	1284.	95.30	.5340	3778.	.1077-04
452	7.900	.5299	20.00	.0000	180.0	110.1	.1200-01	1286.	95.40	.5340	3780.	.1075-04

RUN NUMBER	MU LB-S/C /FT2	HREF BTU/ R FT2SEC	ST FR R =
450	.7650-07	.1786-01.	0 .175
451	.7670-07	.1782-01	.5553-01
452	.7677-07	.1732-01	.5547-01
			.5550-01

TEST DATA

RUN NUMBER	2Y/C	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
452	.30000	.00000	845.00	.3810-01	.3160-01	.3221-01	.6821-03	.5555-03	.5776-03	.4250	4.765	533.3
452	.30000	.50000-01	846.00	.1053	.8700-01	.1035	.1886-02	.1559-02	.1854-02	1.157	12.89	543.7
452	.30000	.1300+00	847.00	.8490-01	.7030-01	.8390-01	.1522-02	.1259-02	.1504-02	.9390	8.057	540.3
452	.30000	.20000	848.00	.8230-01	.6810-01	.8210-01	.1475-02	.1221-02	.1471-02	.9110	6.564	539.3
452	.30000	.40000	850.00	.5460-01	.4540-01	.5510-01	.9821-03	.8128-03	.9872-03	.6060	4.365	539.9
452	.30000	.50000	851.00	.4250-01	.3520-01	.4310-01	.7623-03	.6311-03	.7718-03	.4710	3.509	538.8
452	.30000	.60000	852.00	.3740-01	.3090-01	.3780-01	.6696-03	.5546-03	.6776-03	.4150	3.093	537.2
452	.30000	.70000	853.00	.3320-01	.2750-01	.3360-01	.5947-03	.4878-03	.6026-03	.3700	2.671	534.9
452	.30000	.80000	854.00	.3280-01	.2720-01	.3340-01	.5883-03	.4878-03	.5990-03	.3670	2.743	532.8
452	.30000	.90000	855.00	.2700-02	.2300-02	.2300-02	.4882-04	.4065-04	.5076-04	.3100-01	.2280	524.9
452	.30000	.95000	856.00	.3200-02	.2600-02	.3300-02	.5651-04	.4705-04	.5917-04	.3600-01	.2600	523.9
452	.35000	.00000	857.00	.1936	.7840-01	.8010-01	.1699-02	.1406-02	.1436-02	1.046	8.980	541.1
452	.40000	.00000	858.00	.1936	.1544	.1681	.3577-02	.2947-02	.3012-02	2.149	21.63	555.3
452	.40000	.50000-01	859.00	.3459	.2850	.3332	.6198-02	.5107-02	.5971-02	3.728	26.64	555.6
452	.40000	.10000+00	860.00	.1964	.1621	.1940	.3519-02	.2905-02	.3476-02	2.143	15.37	548.1
452	.40000	.20000	861.00	.9660-01	.7990-01	.9730-01	.1732-02	.1432-02	.1743-02	1.054	7.910	542.5
452	.40000	.30000	862.00	.7440-01	.6150-01	.7530-01	.1332-02	.1103-02	.1348-02	.8220	5.920	540.1

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OH-49B (AEDC V41B-57A) CRITTER LOWER WING

(RV1L43)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R FT/SEC	H(10T) BTU/ R FT/SEC	H(11T) BTU/ R FT/SEC	ODOT BTU/ FT/SEC	DTMOT DEG. R /SEC	TH DEG. R
452	.40000	.40000	863.00	.5880-01	.4870-01	.5960-01	.1054-02	.8732-03	.1068-02	.6530	5.030	538.0
452	.40000	.60000	864.00	.4490-01	.3720-01	.4530-01	.8038-03	.6664-03	.8117-03	.6510	3.403	533.3
452	.40000	.70000	865.00	.5840-01	.4840-01	.5910-01	.1046-02	.8673-03	.1059-02	.6520	4.428	533.5
452	.40000	.75000	866.00	.5430-01	.4500-01	.5510-01	.9731-03	.8070-03	.9882-03	.6080	4.542	532.3
452	.40000	.85000	867.00	.9400-02	.7800-02	.9700-02	.1686-03	.1401-03	.1736-03	.1060	.8120	525.7
452	.40000	.90000	868.00	.5000-02	.4200-02	.5200-02	.8947-04	.7437-04	.9338-04	.5700-01	.4900	523.9
452	.40000	.95000	869.00	.3200-02	.2700-02	.3400-02	.5797-04	.8240-04	.6083-04	.3700-01	.3010	523.0
452	.50000	.00000	871.00	.5632	.4598	.4704	.1009-01	.8240-04	.8429-02	5.773	46.67	585.0
452	.50000	.50000-01	872.00	.3042	.2508	.2348	.5432-02	.4494-02	.5283-02	3.291	25.16	553.3
452	.50000	.10000+00	873.00	.1673	.1382	.1666	.2997-02	.2477-02	.2985-02	1.836	13.63	544.4
452	.50000	.20000	874.00	.1204	.9970-01	.1214	.2158-02	.1786-02	.2.75-02	1.333	9.602	539.3
452	.50000	.30000	875.00	.1012	.8380-01	.1022	.1813-02	.1501-02	.1832-02	1.123	8.082	538.0
452	.50000	.40000	876.00	.9100-01	.7540-01	.9200-01	.1631-02	.1350-02	.1649-02	1.010	7.283	537.6
452	.50000	.60000	877.00	.6840-01	.5670-01	.6930-01	.1226-02	.1017-02	.1241-02	.7640	5.344	534.3
452	.50000	.90000	878.00	.5400-02	.4500-02	.5500-02	.9645-04	.8021-04	.9776-04	.6100-01	48.33	522.0
452	.55000	.00000	879.00	.5887	.4774	.4887	.1055-01	.8555-02	.8757-02	5.816	48.33	605.8
452	.60000	.00000	880.00	.4206	.3430	.3503	.7537-02	.6145-02	.6288-02	4.283	38.88	588.8
452	.60000	.25000-01	881.00	.4758	.3904	.4453	.8526-02	.6995-02	.8050-02	5.003	37.97	569.7
452	.60000	.50000-01	882.00	.2534	.2087	.2463	.4440-02	.3739-02	.4413-02	2.725	28.23	556.9
452	.60000	.75000-01	883.00	.2465	.2034	.2441	.4417-02	.3645-02	.4375-02	2.681	19.85	550.0
452	.60000	.10000+00	884.00	.1769	.1463	.1769	.3170-02	.2621-02	.3170-02	1.946	13.99	543.2
452	.60000	.20000	885.00	.8030-01	.7160-01	.8720-01	.1547-02	.1282-02	.1563-02	.9630	6.958	534.2
452	.60000	.30000	886.00	.6650-01	.5530-01	.6730-01	.1194-02	.9903-03	.1207-02	.7450	5.061	532.8
452	.60000	.40000	887.00	.6220-01	.5160-01	.6200-01	.1114-02	.9237-03	.1124-02	.6950	4.865	533.3
452	.60000	.50000	888.00	.6270-01	.5200-01	.6340-01	.1123-02	.9316-03	.1137-02	.7020	4.918	532.0
452	.60000	.60000	889.00	.5970-01	.4950-01	.6040-01	.1070-02	.8874-03	.1083-02	.6700	4.696	530.6
452	.60000	.80000	891.00	.7860-02	.6500-02	.8000-02	.1401-03	.1165-03	.1442-03	.8900-01	.6660	523.3
452	.60000	.90000	892.00	.5780-02	.4700-02	.5900-02	.1015-03	.8438-04	.1048-03	.6400-01	.4760	521.9
452	.60000	.95000	893.00	.4100-02	.3400-02	.4300-02	.7656-04	.6127-04	.7656-04	.4700-01	.3580	520.3
452	.60000	.00000	894.00	.3100-02	.2600-02	.3300-02	.5624-04	.4681-04	.5999-04	.3600-01	.2740	519.2
452	.65000	.00000	895.00	.3520	.2360	.2945	.6307-02	.5160-02	.5278-02	3.649	30.73	518.5
452	.70000	.00000	896.00	.1678	.1542	.1577	.3365-02	.2764-02	.2826-02	1.988	25.76	585.5
452	.70000	.25000-01	897.00	.2277	.1879	.2146	.4079-02	.3366-02	.3846-02	2.476	22.91	550.2
452	.70000	.50000+00	898.00	.1631	.1350	.1528	.2923-02	.2419-02	.2917-02	1.805	12.60	539.5
452	.70000	.00000	899.00	.1110	.9200-01	.1118	.1988-02	.1648-02	.2003-02	1.238	7.730	534.3
452	.70000	.30000	900.00	.8320-01	.6910-01	.8420-01	.1491-02	.1237-02	.1508-02	.9340	5.818	530.9
452	.70000	.40000	901.00	.9610-01	.7970-01	.9720-01	.1723-02	.1429-02	.1742-02	1.077	6.894	532.1
452	.70000	.60000	902.00	.1003	.8320-01	.1015	.1757-02	.1490-02	.1813-02	1.123	7.194	531.9
452	.70000	.90000	903.00	.5300-02	.4400-02	.5600-02	.9548-04	.7945-04	.9962-04	.6100-01	.4430	519.9
452	.75000	.00000	904.00	.3093	.2545	.2602	.5542-02	.4561-02	.4662-02	3.314	26.17	559.0
452	.75000	.25000-01	905.00	.3811	.3130	.3519	.6868-02	.5608-02	.6414-02	4.033	31.73	566.4
452	.75000	.50000-01	906.00	.2881	.2380	.2660	.5163-02	.4265-02	.5053-02	3.155	23.41	545.9
452	.75000	.10000+00	907.00	.1969	.1629	.1965	.3529-02	.2919-02	.3521-02	2.173	15.15	541.3

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19T0) BTU/ R FT2SEC	H1T0) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
452	75000	.20000	908.00	.1097	.9100-01	.1106	.1967-02	.1631-02	.1982-02	1.229	8.610	532.0
452	75000	.30000	909.00	.7770-01	.6450-01	.780-01	.1391-02	.1155-02	.1405-02	.8730	5.601	529.3
452	75000	.40000	910.00	.6390-01	.5290-01	.640-01	.1143-02	.9489-03	.1155-02	.7180	4.739	529.1
452	75000	.60000	911.00	.6020-01	.5000-01	.600-01	.1079-02	.8581-03	.1092-02	.6800	4.630	526.9
452	75000	.80000	912.00	.8100-02	.6800-02	.640-02	.1056-03	.1211-03	.1498-03	.9300-01	.7730	521.3
452	75000	.90000	913.00	.5700-02	.4700-02	.5900-02	.1019-03	.8481-04	.1053-03	.6500-01	.4810	519.1
452	75000	.95000	914.00	.1220-01	.1020-01	.1200-01	.2192-03	.1825-03	.2297-03	.1400	1.071	518.6
452	80000	.00000	915.00	.3553	.2913	.2918	.6356-02	.5219-02	.5337-02	3.725	34.09	532.2
452	80000	.20000	916.00	.1250	.1037	.1261	.2240-02	.1858-02	.2259-02	1.400	9.805	532.2
452	80000	.40000	917.00	.6160-01	.6780-01	.620-01	.1463-02	.1214-02	.1477-02	.9170	6.638	530.2
452	80000	.60000	918.00	.7300-02	.6100-02	.7600-02	.1314-03	.1093-03	.1370-03	.8400-01	.6190	519.5
452	85000	.00000	919.00	.4139	.3393	.3470	.7416-02	.6080-02	.6217-02	4.339	34.05	572.0
452	85000	.20000	920.00	.1394	.1156	.1403	.2498-02	.2071-02	.2514-02	1.577	11.25	533.9
452	85000	.40000	921.00	.9640-01	.8000-01	.5720-01	.1728-02	.1434-02	.1742-02	1.082	8.093	530.7
452	90000	.00000	922.00	.2601	.2144	.2191	.4650-02	.3842-02	.3926-02	2.813	22.28	553.3
452	90000	.10000	923.00	.2055	.1702	.2057	.3682-02	.3050-02	.3686-02	2.283	17.02	537.0
452	90000	.30000	925.00	.1306	.1083	.1316	.2340-02	.1941-02	.2357-02	1.460	10.55	533.2
452	90000	.50000	926.00	.9830-01	.8150-01	.920-01	.1761-02	.1461-02	.1777-02	1.102	7.976	531.0
452	90000	.80000	927.00	.1280-01	.1060-01	.1310-01	.2286-03	.1902-03	.2348-03	.1450	1.151	520.6
452	90000	.90000	928.00	.8700-02	.7300-02	.9100-02	.1566-03	.1303-03	.1635-03	.1000+00	.8040	520.0
452	95000	.00000	929.00	.1593	.1319	.1347	.2855-02	.2384-02	.2415-02	1.767	13.16	538.0
452	95000	.50000-01	930.00	.1853	.1533	.1818	.3321-02	.2748-02	.3258-02	2.047	14.74	540.6
452	95000	.10000+00	931.00	.1705	.1412	.1608	.3055-02	.2530-02	.3042-02	1.893	14.11	537.4
452	95000	.20000	932.00	.1574	.1305	.1584	.2831-02	.2338-02	.2839-02	1.756	12.28	534.6
452	95000	.30000	933.00	.1298	.1077	.1309	.2326-02	.1329-02	.2346-02	1.453	10.50	532.7
452	95000	.50000	934.00	.8450-01	.7010-01	.850-01	.1514-02	.1256-02	.1529-02	.9490	7.098	530.1
452	95000	.70000	935.00	.1530-01	.1270-01	.1560-01	.2746-03	.2284-03	.2796-03	1.750	1.334	521.3
452	95000	.80000	936.00	.1190-01	.9900-02	.1230-01	.2131-03	.1773-03	.2201-03	1.360	1.020	520.2
452	95000	.90000	937.00	.8300-02	.6900-02	.8600-02	.1480-03	.1232-03	.1545-03	.9400-01	.7210	519.9

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = -30.00 SPOBRK = 40.00
 BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
453	7.980	1.986	19.57	.0000	180.0	428.1	.4500-01	1294.	94.20	1.987	3796.	.3968-04
454	7.980	1.994	19.97	.0000	180.0	428.4	.4500-01	1291.	94.00	1.988	3791.	.3980-04
455	7.980	2.008	19.97	.0000	180.0	430.3	.4500-01	1289.	93.80	1.997	3788.	.4005-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
453	.7586-07	.3459-01	.3459-01	0.0175
454	.7559-07	.3459-01	.2887-01	
455	.7555-07	.3465-01	.2878-01	

TEST DATA

RUN NUMBER	RY/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(UTC) BTU/ R FT ² SEC	H(TO) BTU/ R FT ² SEC	H(TAW) BTU/ R FT ² SEC	QDOT BTU/ FT ² SEC	DT/DT DEG. R /SEC	TW DEG. R
455	.30000	.00000	845.00	.3860-01	.3200-01	.3260-01	.1337-02	.1105-02	.1131-02	.8310	9.283	538.5
455	.30000	.50000-01	846.00	.1038	.8560-01	.1021	.3598-02	.2985-02	.3537-02	2.172	24.04	556.4
455	.30000	.10000+00	847.00	.9730-01	.8030-01	.9670-01	.3372-02	.2783-02	.3333-02	2.056	17.57	550.1
455	.30000	.20000	848.00	.8230-01	.6810-01	.8210-01	.2852-02	.2359-02	.2845-02	1.758	12.64	543.6
455	.30000	.40000	850.00	.4640-01	.3840-01	.4630-01	.1688-02	.1330-02	.1616-02	.9930	7.142	542.4
455	.30000	.50000	851.00	.3540-01	.3020-01	.3630-01	.1263-02	.1045-02	.1278-02	.7810	5.804	541.8
455	.30000	.60000	852.00	.3780-01	.3130-01	.3830-01	.1311-02	.1086-02	.1327-02	.8130	6.050	540.0
455	.30000	.70000	853.00	.3170-01	.2630-01	.3220-01	.1100-02	.9107-03	.1115-02	.6630	4.921	539.0
455	.30000	.80000	854.00	.3560-01	.3030-01	.3720-01	.1267-02	.1049-02	.1290-02	.7880	5.865	538.4
455	.30000	.90000	855.00	.1700-02	.1400-02	.1730-02	.5724-04	.4760-04	.5939-04	.3500-01	.2690	524.1
455	.30000	.00000	857.00	.2000-02	.1700-02	.2130-02	.6950-04	.5180-04	.7265-04	.4400-01	.3210	523.4
455	.40000	.00000	858.00	.9550-01	.7900-01	.8070-01	.3312-02	.2737-02	.2786-02	2.029	17.36	547.4
455	.40000	.00000	859.00	.2121	.1736	.1775	.7350-02	.6016-02	.6152-02	4.272	42.51	578.8
455	.40000	.50000-01	859.00	.3459	.2831	.3338	.1198-01	.98.9-02	.1153-01	6.964	49.18	579.0
455	.40000	.10000+00	860.00	.1699	.1554	.1835	.6345-02	.5387-02	.6463-02	3.924	27.97	560.4
455	.40000	.20000	861.00	.8890-01	.7340-01	.8940-01	.3080-02	.2543-02	.3100-02	1.881	13.93	549.3
455	.40000	.30000	862.00	.6610-01	.5460-01	.6630-01	.2290-02	.1893-02	.2318-02	1.408	10.11	545.2

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T0) BTU/ R FT2SEC	H(10I) BTU/ R FT2SEC	H(11AN) BTU/ R FT2SEC	QCOT BTU/ R FT2SEC	DT/DT DEG. R /SEC	TW DEG. R
455	40000	40000	863.00	.5040-01	.4170-01	.5100-01	.1746-02	.1445-02	.1768-02	1.078	8.291	542.5
455	40000	60000	864.00	.4850-01	.4010-01	.4830-01	.1679-02	.1391-02	.1696-02	1.043	7.062	538.7
455	40000	70000	865.00	.4970-01	.4120-01	.5030-01	.1723-02	.1426-02	.1744-02	1.069	7.229	539.8
455	40000	75000	866.00	.4330-01	.3580-01	.4130-01	.1497-02	.1240-02	.1520-02	.9300	6.929	538.5
455	40000	85000	867.00	.9100-02	.7600-02	.9400-02	.3160-03	.2626-03	.3254-03	.2000	1.528	525.8
455	40000	90000	868.00	.5200-02	.4300-02	.5400-02	.1738-03	.1494-03	.1876-03	.1140	.9880	524.8
455	40000	95000	869.00	.4000-02	.3300-02	.4200-02	.1384-03	.1151-03	.1452-03	.8800-01	.7810	523.9
455	50000	00000	871.00	.5523	.4435	.4545	.1914-01	.1537-01	.1575-01	10.07	79.49	633.9
455	50000	50000-01	872.00	.3011	.2467	.2915	.1043-01	.8549-02	.1010-01	6.099	46.12	575.5
455	50000	10000-00	873.00	.1634	.1345	.1637	.5662-02	.4666-02	.5638-02	3.418	25.22	556.4
455	50000	20000	874.00	.1229	.1014	.1239	.4258-02	.3515-02	.4294-02	2.598	18.62	543.8
455	50000	30000	875.00	.1120	.9250-01	.1132	.3881-02	.3206-02	.3927-02	2.375	17.03	548.2
455	50000	40000	876.00	.9420-01	.7790-01	.9530-01	.3265-02	.2698-02	.3303-02	2.003	14.38	546.5
455	50000	50000	877.00	.7600-01	.6283-01	.7630-01	.2632-02	.2177-02	.2666-02	1.624	11.31	543.1
455	50000	60000	878.00	.4400-02	.3700-02	.4500-02	.1522-03	.1266-03	.1543-03	.9700-01	.7650	524.0
455	55000	00000	879.00	.5044	.4031	.4132	.1748-01	.1397-01	.1432-01	8.967	73.03	647.1
455	60000	00000	880.00	.4300	.3447	.3532	.1490-01	.1134-01	.1224-01	7.754	68.66	339.7
455	60000	25000-01	881.00	.4786	.3881	.4533	.1659-01	.1345-01	.1561-01	9.173	68.30	606.9
455	60000	50000-01	882.00	.2606	.2130	.2530	.9031-02	.7380-02	.8168-02	5.205	49.42	583.8
455	60000	75000-01	883.00	.2593	.2132	.2574	.9007-02	.7387-02	.8919-02	5.293	38.75	572.4
455	60000	10000-00	884.00	.2002	.1648	.2002	.6936-02	.5110-02	.6937-02	4.162	29.68	559.9
455	60000	20000	885.00	.1247	.1030	.1250	.4320-02	.3568-02	.4366-02	2.643	18.96	548.1
455	60000	30000	886.00	.8200-01	.6780-01	.8230-01	.2841-02	.2349-02	.2871-02	1.746	11.78	545.3
455	60000	40000	887.00	.5500-01	.4550-01	.5550-01	.1907-02	.1578-02	.1926-02	1.178	8.211	542.3
455	60000	50000	888.00	.5320-01	.4400-01	.5330-01	.1845-02	.1526-02	.1867-02	1.140	7.947	541.8
455	60000	60000	889.00	.5610-01	.4540-01	.5630-01	.1944-02	.1609-02	.1969-02	1.205	8.406	540.2
455	60000	80000	891.00	.6900-02	.5700-02	.7100-02	.2375-03	.1975-03	.2445-03	.1510	1.133	524.0
455	60000	85000	892.00	.5000-02	.4200-02	.5200-02	.1735-03	.1433-03	.1793-03	.1100	.8160	523.1
455	60000	90000	893.00	.3530-02	.2500-02	.3700-02	.1227-03	.1020-03	.1282-03	.7800-01	.5970	522.2
455	60000	95000	894.00	.2700-02	.2000-02	.2900-02	.9447-04	.7860-04	.9312-04	.6000-01	.4510	521.8
455	65000	00000	895.00	.3300	.2670	.2733	.1144-01	.9251-02	.9172-02	6.240	51.63	614.5
455	70000	00000	896.00	.1843	.1500	.1534	.6387-02	.5197-02	.5317-02	3.593	45.84	597.6
455	70000	25000-01	897.00	.2296	.1884	.2151	.7955-02	.6527-02	.7487-02	4.689	42.95	570.6
455	70000	50000-00	898.00	.1515	.1251	.1512	.5249-02	.4334-02	.5233-02	3.265	22.25	549.5
455	70000	60000	899.00	.1167	.9640-01	.1176	.4043-02	.3340-02	.4074-02	2.477	15.31	547.3
455	70000	30000	900.00	.1193	.9650-01	.1207	.4132-02	.3414-02	.4162-02	2.531	15.64	547.5
455	70000	40000	901.00	.1077	.9810-01	.1090	.3733-02	.3086-02	.3777-02	2.296	14.61	544.9
455	70000	50000	902.00	.1125	.9290-01	.1139	.3897-02	.3221-02	.3946-02	2.392	15.21	546.2
455	70000	60000	903.00	.4300-02	.3500-02	.4500-02	.1503-02	.1251-03	.1569-03	.9600-01	.6970	522.2
455	75000	00000	904.00	.2341	.2154	.2354	.9912-02	.8112-02	.8295-02	5.750	45.01	579.1
455	75000	25000-01	905.00	.3640	.3119	.3594	.1331-01	.1081-01	.1245-01	7.421	57.35	602.3
455	75000	50000-01	906.00	.2839	.2333	.2777	.9837-02	.8085-02	.9623-02	4.891	42.99	565.3
455	75000	10000-00	907.00	.1931	.1609	.1940	.6762-02	.5575-02	.6749-02	4.094	28.35	554.6

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL43)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
455	.75000	.20000	908.00	.1185	.9800-01	.1135	.4107-02	.3397-02	.4141-02	2.530	17.62	544.0
455	.75000	.30000	909.00	.1720	.1420	.1738	.5961-02	.4920-02	.6022-02	3.634	23.06	550.4
455	.75000	.40000	910.00	.2280	.1878	.2305	.7902-02	.6508-02	.7988-02	4.754	30.92	558.5
455	.75000	.60000	911.00	.1918	.1583	.1943	.6648-02	.5487-02	.6733-02	4.050	27.25	550.9
455	.75000	.80000	912.00	.7100-02	.5900-02	.7300-02	.2465-03	.2050-03	.2536-03	.1573	1.308	523.3
455	.75000	.90000	913.00	.5600-02	.4600-02	.5800-02	.1936-03	.1602-03	.2009-03	.1230	.9080	521.9
455	.75000	.95000	914.00	.1800-01	.1500-01	.1030-01	.6251-03	.5199-03	.6551-03	.3980	3.042	522.5
455	.80000	.00000	915.00	.3563	.2682	.2951	.1235-01	.9987-02	.1023-01	6.734	60.35	614.7
455	.80000	.20000	916.00	.1264	.1045	.1275	.4379-02	.3620-02	.4417-02	2.690	18.71	545.8
455	.80000	.40000	917.00	.1102	.9120-01	.1113	.3820-02	.3161-02	.3056-02	2.352	16.99	541.7
455	.80000	.60000	918.00	.9900-02	.8200-02	.1030-01	.3436-03	.2858-03	.3583-03	.2190	1.616	523.1
455	.85000	.00000	919.00	.4252	.3438	.3520	.1473-01	.1191-01	.1220-01	8.023	61.61	615.5
455	.85000	.20000	920.00	.1213	.1003	.1221	.4205-02	.3475-02	.4232-02	2.562	18.53	546.1
455	.90000	.00000	921.00	.9560-01	.7910-01	.9640-01	.3314-02	.2741-02	.3342-02	2.043	15.18	543.4
455	.90000	.00000	922.00	.2583	.2112	.2160	.8952-02	.7320-02	.7486-02	5.177	40.42	581.8
455	.90000	.1000+00	923.00	.1833	.1512	.1835	.6352-02	.5240-02	.6359-02	3.858	28.53	552.6
455	.90000	.30000	925.00	.1213	.1003	.1222	.4204-02	.3477-02	.4236-02	2.589	18.60	544.3
455	.90000	.50000	926.00	.9360-01	.7740-01	.9450-01	.3243-02	.2682-02	.3274-02	2.000	14.38	524.0
455	.90000	.80000	927.00	.5600-02	.8000-02	.9900-02	.3337-03	.2775-03	.3429-03	.2120	1.676	523.5
455	.90000	.90000	928.00	.7900-02	.6500-02	.9200-02	.2722-03	.2263-03	.2843-03	.1730	1.393	523.5
455	.95000	.00000	929.00	.1554	.1282	.1310	.5387-02	.4444-02	.4541-02	3.274	24.22	552.2
455	.95000	.50000-01	930.00	.1930	.1590	.1893	.6687-02	.5509-02	.6559-02	4.031	28.78	557.3
455	.95000	.10000+00	931.00	.1716	.1416	.1709	.5945-02	.4905-02	.5921-02	3.615	26.74	552.0
455	.95000	.20000	932.00	.1507	.1245	.1517	.5222-02	.4315-02	.5256-02	3.202	22.26	546.9
455	.95000	.30000	933.00	.1255	.1037	.1266	.4348-02	.3595-02	.4385-02	2.675	19.21	544.9
455	.95000	.50000	934.00	.8470-01	.7010-01	.8550-01	.2934-02	.2428-02	.2565-02	1.815	13.49	541.6
455	.95000	.70000	935.00	.1490-01	.1240-01	.1520-01	.5167-03	.4294-03	.5260-03	.3280	2.500	525.4
455	.95000	.80000	936.00	.9700-02	.8100-02	.1010-01	.3371-03	.2803-03	.3483-03	.2140	1.608	524.3
455	.95000	.90000	937.00	.7900-02	.6600-02	.8300-02	.2740-03	.2278-03	.2859-03	.1740	1.331	523.4

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L44)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = -30.00 SPOBRK = 40.00
BDFLAP = 15.00 NACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /F1	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
444	7.900	.5474	30.02	.0000	180.0	109.9	.1200-01	1257.	93.20	.330	3737.	.1099-04
445	7.900	.5502	30.03	.0000	180.0	109.6	.1200-01	1258.	93.30	.5370	3739.	.1105-04
446	7.900	.5440	30.04	.0000	180.0	109.9	.1200-01	1262.	93.60	.5330	3745.	.1095-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ FT2SEC	ST FR R =
444	.7504-07	.1785	.1785	0.0175
445	.7510-07	.1785	.1785	.5479-01
446	.7535-07	.1785	.1785	.5464-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
446	.30000	.00000	845.00	.4320-01	.3580-01	.3750-01	.7714-03	.6381-03	.6689-03	.4660	5.221	531.8
446	.30000	.50000-01	846.00	.1292	.1065	.1215	.2306-02	.1900-02	.2168-02	1.362	15.16	545.2
446	.30000	.10000*00	847.00	.1181	.9740-01	.1116	.2107-02	.1737-02	.1992-02	1.251	10.73	541.9
446	.30000	.20000	848.00	.1059	.8740-01	.1011	.1830-02	.1559-02	.1804-02	1.124	8.093	540.9
446	.30000	.40000	850.00	.6780-01	.5590-01	.6520-01	.1209-02	.9973-03	.1164-02	.7180	5.163	542.2
446	.30000	.50000	851.00	.5080-01	.4190-01	.4920-01	.5060-03	.7473-03	.8787-03	.5380	4.003	541.5
446	.30000	.60000	852.00	.4720-01	.3900-01	.4520-01	.8430-03	.6955-03	.8173-03	.5020	3.731	540.7
446	.30000	.70000	853.00	.4100-01	.3380-01	.3980-01	.7316-03	.6040-03	.7105-03	.4370	3.149	538.4
446	.30000	.80000	854.00	.4220-01	.3490-01	.4120-01	.7531-03	.6221-03	.7354-03	.4520	3.366	536.2
446	.30000	.90000	855.00	.4500-02	.3700-02	.4500-02	.8049-04	.6670-04	.8038-04	.4900-01	.3620	F25.3
446	.30000	.95000	856.00	.4000-02	.3300-02	.4000-02	.7062-04	.5855-04	.7119-04	.4300-01	.3140	523.4
446	.30000	.00000	857.00	.8390-01	.8160-01	.8560-01	.1764-02	.1456-02	.1527-02	1.050	9.017	540.4
446	.40000	.00000	858.00	.1891	.1555	.1632	.3375-02	.2775-02	.2913-02	1.971	19.88	551.6
446	.40000	.50000-01	859.00	.3514	.2887	.3236	.6271-02	.5152-02	.5775-02	3.642	26.03	554.9
446	.40000	.10000*00	860.00	.2247	.1850	.2122	.4010-02	.3302-02	.3787-02	2.358	15.91	547.7
446	.40000	.20000	861.00	.1278	.1053	.1231	.2281-02	.1880-02	.2197-02	1.350	10.03	543.7
446	.40000	.30000	862.00	.9950-01	.8200-01	.9640-01	.1775-02	.1463-02	.1721-02	1.052	7.561	543.3

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(RV1444)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RIP NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(ISO) BTU/ R F12°C	H(TO) BTU/ R F12SEC	H(TAH) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTWOT DEG. R SEC	TM DEG. R
446	.40000	.40000	863.00	.8190-01	.6750-01	.7940-01	.1461-02	.1205-02	.1417-02	.8680	6.677	541.5
446	.40000	.60000	864.00	.7930-01	.6550-01	.7630-01	.1416-02	.1169-02	.1370-02	.8470	5.738	537.3
446	.40000	.70000	865.00	.7980-01	.6580-01	.7740-01	.1424-02	.1176-02	.1380-02	.8520	5.773	537.1
446	.40000	.75000	866.00	.7030-01	.5810-01	.6840-01	.1254-02	.1035-02	.1221-02	.7530	5.616	535.3
446	.40000	.85000	867.00	.1590-01	.1320-01	.1570-01	.2836-03	.2313-03	.2806-03	.1730	1.317	526.4
446	.40000	.90000	868.00	.990-02	.8200-02	.1000-01	.1767-03	.1465-03	.1778-03	.1080	.9360	523.8
446	.40000	.95000	869.00	.7700-02	.6400-02	.7800-02	.1367-03	.1134-03	.1385-03	.8400-01	.6870	522.4
446	.50000	.00000	871.00	.5530	.4510	.4743	.9869-02	.8047-02	.8463-02	5.502	44.63	578.1
446	.50000	.50000-01	872.00	.3568	.2932	.3305	.6368-02	.5232-02	.5898-02	3.701	28.28	554.5
446	.50000	.10000-00	873.00	.2041	.1682	.1944	.3642-02	.3002-02	.3470-02	2.155	16.01	543.8
446	.50000	.20000	874.00	.1410	.1164	.1352	.2517-02	.2077-02	.2430-02	1.500	10.80	539.7
446	.50000	.30000	875.00	.1124	.0880-01	.1088	.2006-02	.1656-02	.1942-02	1.198	8.633	538.6
446	.50000	.40000	876.00	.9470-01	.7820-01	.9180-01	.1691-02	.1395-02	.1638-02	1.009	7.271	538.8
446	.50000	.60000	877.00	.6680-01	.5520-01	.6480-01	.1192-02	.9844-03	.1156-02	.7140	4.994	526.1
446	.50000	.80000	878.00	.8500-02	.7100-02	.8300-02	.1518-03	.1259-03	.1476-03	.9300-01	.7370	521.8
446	.55000	.00000	879.00	.7337	.5905	.6229	.1309-01	.1054-01	.1112-01	6.815	56.37	615.2
446	.60000	.00000	880.00	.4634	.3771	.3958	.8270-02	.6729-02	.7081-02	4.558	41.46	584.5
446	.60000	.25000-1	881.00	.5032	.4116	.4542	.8978-02	.7344-02	.8105-02	5.089	38.61	569.0
446	.60000	.50000-01	882.00	.2812	.2308	.2611	.5017-02	.4119-02	.4667-02	2.904	27.95	556.8
446	.60000	.75000-01	883.00	.2875	.2365	.2722	.5130-02	.4220-02	.4658-02	3.001	22.21	550.6
446	.60000	.10000-00	884.00	.2126	.1753	.2035	.3794-02	.3139-02	.3631-02	2.252	16.20	542.2
446	.60000	.20000	885.00	.1482	.1224	.1434	.2644-02	.2184-02	.2560-02	1.584	11.42	536.7
446	.60000	.30000	886.01	.1382	.1142	.1333	.2467-02	.2037-02	.2388-02	1.477	10.01	536.8
446	.60000	.40000	887.00	.1202	.0930-01	.1152	.2145-02	.1771-02	.2074-02	1.283	8.963	537.5
446	.60000	.50000	888.00	.1088	.8930-01	.1055	.1942-02	.1604-02	.1883-02	1.166	8.152	535.2
446	.60000	.60000	889.00	.9150-01	.7560-01	.8830-01	.1633-02	.1350-02	.1584-02	.9820	6.875	534.0
446	.60000	.80000	891.00	.1410-01	.1170-01	.1390-01	.2514-03	.2084-03	.2488-03	.1540	1.155	523.7
446	.60000	.65000	892.00	.1140-01	.9400-02	.1130-01	.2027-03	.1681-03	.2015-03	.1240	.9180	522.3
446	.60000	.50000	893.00	.8200-02	.6800-02	.8300-02	.1465-03	.1216-03	.1477-03	.9000-01	.6900	519.8
446	.65000	.50000	894.00	.5200-02	.4300-02	.5300-02	.9326-04	.7743-04	.9447-04	.5800-01	.4410	518.2
446	.70000	.00000	895.00	.3343	.2732	.2872	.5966-02	.4876-02	.5126-02	3.367	28.46	571.3
446	.70000	.25000-01	896.00	.1691	.1388	.1458	.3017-02	.2477-02	.2601-02	1.746	22.73	557.1
446	.70000	.10000-00	897.00	.2326	.1964	.2154	.4257-02	.3504-02	.3944-02	2.500	23.16	548.4
446	.70000	.10000-00	898.00	.2212	.1825	.2112	.3947-02	.3257-02	.3770-02	2.349	16.39	540.4
446	.70000	.20000	899.00	.1833	.1514	.1768	.3270-02	.2702-02	.3155-02	1.961	12.18	536.1
446	.70000	.30000	900.00	.447	.1196	.1403	.2582-02	.2135-02	.2503-02	1.556	9.804	532.5
446	.70000	.40000	901.00	.1277	.1055	.1231	.2280-02	.1885-02	.2210-02	1.375	7.866	532.4
446	.70000	.60000	902.00	.1112	.9200-01	.1079	.1985-02	.1641-02	.1926-02	1.197	7.866	532.4
446	.70000	.80000	903.00	.9800-02	.8100-02	.9800-02	.1745-03	.1448-03	.1755-03	.1080	.7830	518.9
446	.75000	.00000	904.00	.2656	.2193	.2302	.4757-02	.3914-02	.4107-02	2.785	22.10	550.0
446	.75000	.25000-01	905.00	.3588	.2942	.3227	.6403-02	.5250-02	.5758-02	3.681	29.05	560.7
446	.75000	.50000-01	906.00	.3129	.2578	.2829	.5583-02	.4600-02	.5226-02	3.296	24.46	545.4
446	.75000	.10000-00	907.00	.2446	.2018	.2236	.4365-02	.3601-02	.4169-02	2.598	18.12	540.4

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(RV:L44)

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TM DEG. R
446	75000	20000	908.00	1503	1243	1451	2682-02	2217-02	2590-02	1.615	11.31	533.3
446	75000	30000	909.00	1338	1107	1295	2388-02	1976-02	2312-02	1.444	9.254	531.0
446	75000	40000	910.00	1222	1010	1183	2180-02	1803-02	2111-02	1.316	8.680	531.8
446	75000	50000	911.00	1078	8930-01	11046	1924-02	1593-02	1867-02	1.167	7.933	529.5
446	75000	60000	912.00	1300-01	1080-01	1290-01	2321-03	1926-03	2296-03	1.430	1.192	520.7
446	75000	70000	913.00	8700-02	7200-02	8700-02	1548-03	1285-03	1557-03	9500-01	7080	518.1
446	75000	80000	914.00	8700-02	7200-02	8700-02	1556-03	1285-03	1557-03	9500-01	7370	517.2
446	80000	00000	915.00	3222	2639	2773	5749-02	4710-02	4948-02	3.287	30.20	564.0
446	80000	10000	916.00	1518	1255	1466	2708-02	2240-02	2616-02	1.634	11.44	532.4
446	80000	20000	917.00	1131	9360-01	1094	2018-02	1670-02	1952-02	1.221	8.839	530.4
446	80000	30000	918.00	1020-01	8500-02	1030-01	1824-03	1514-03	1833-03	1.130	8.330	518.3
446	85000	00000	919.00	3785	3101	3258	6755-02	5534-02	5814-02	3.862	30.43	563.9
446	85000	10000	920.00	1531	1266	1475	2731-02	2259-02	2633-02	1.647	11.90	532.7
446	85000	20000	921.00	1166	9650-01	1127	2081-02	1722-02	2011-02	1.260	9.420	530.4
446	90000	00000	922.00	2324	1913	2008	4147-02	3415-02	3563-02	2.440	19.39	547.1
446	90000	10000+00	923.00	2213	1828	2121	3943-02	3261-02	3785-02	2.363	17.61	537.3
446	90000	20000	925.00	1620	1339	1563	2890-02	2390-02	2789-02	1.741	12.58	533.2
446	90000	30000	926.00	9690-01	8020-01	9370-01	1729-02	1432-02	1673-02	1.050	7.603	528.7
446	90000	40000	927.00	1260-01	1050-01	1240-01	2290-02	1865-03	2219-03	1.380	1.095	519.4
446	90000	50000	928.00	8700-02	7200-02	8700-02	2247-03	1865-03	2219-03	1.380	1.095	518.4
446	95000	00000	929.00	1709	1083	1135	1550-03	1287-03	1561-03	9500-01	7720	531.9
446	95000	10000-01	930.00	1817	1501	1706	3243-02	2679-02	3045-02	1.410	10.54	536.3
446	95000	20000+00	931.00	1901	1487	1716	3213-02	2654-02	3063-02	1.944	14.02	536.3
446	95000	30000	932.00	1891	1563	1823	3375-02	2789-02	3252-02	1.926	14.36	536.2
446	95000	40000	933.00	1692	1398	1634	3019-02	2495-02	2916-02	1.815	13.11	534.3
446	95000	50000	934.00	1113	9210-01	1078	1986-02	1643-02	1923-02	1.202	8.990	530.3
446	95000	60000	935.00	2000-01	1660-01	1950-01	3561-03	2955-03	3479-03	2.190	1.676	520.0
446	95000	70000	936.00	1510-01	1250-01	1500-01	2689-03	2232-03	2672-03	1.660	1.248	518.8
446	95000	80000	937.00	9400-02	7890-02	9500-02	1862-03	1397-03	1693-03	1.040	7.950	518.1

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AEDC VKF V41B-57A (04-498) COLLATION DECK

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(RVIL44)

04-158 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = -30.00 SPOBRK = 40.00
 BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	F PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
438	7.940	1.017	30.04	.0000	180.0	209.6	.2300-01	1268.	93.10	.9950	3755.	.2031-04
439	7.940	1.017	30.06	.0000	180.0	209.5	.2300-01	1267.	93.10	.9950	3754.	.2031-04
440	7.940	1.016	30.02	.0000	180.0	209.1	.2200-01	1267.	93.10	.9933	3753.	.2028-04

RUN NUMBER	MU	LB-SEC /FT ²	ST FR R =	HREF BTU/ R
438	7499-07	2439-01	0.0175	4034-01
439	7494-07	2438-01	4034-01	4034-01
440	7493-07	2436-01	4037-01	4037-01

TEST DATA

RUN NUMBER	ZY/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T3) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(14N) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
440	30000	.00000	845.00	.4090-01	.3380-01	.3540-01	.9964-03	.8231-03	.8631-03	.5990	6.697	533.3
440	30000	.50000-01	846.00	.1312	.1079	.1233	.3197-02	.2629-02	.3004-02	1.874	20.77	553.7
440	30000	.10000+00	847.00	.1250	.1029	.1181	.3045-02	.2506-02	.2877-02	1.795	15.34	550.3
440	30000	.20000	848.00	.1072	.8550-01	.9340-01	.2537-02	.2090-02	.2421-02	1.504	10.79	547.2
440	30000	.40000	850.00	.6020-01	.4950-01	.5790-01	.1466-02	.1207-02	.1411-02	.8670	6.273	548.8
440	30000	.50000	851.00	.4750-01	.3920-01	.4210-01	.1159-02	.9544-03	.123-02	.6860	5.081	548.2
440	30000	.60000	852.00	.4510-01	.3720-01	.4380-01	.1099-02	.9061-03	.1055-02	.6520	4.839	545.6
440	30000	.70000	853.00	.3710-01	.3060-01	.3500-01	.9037-03	.7450-03	.8774-03	.5370	3.860	545.3
440	30000	.80000	854.00	.3940-01	.3250-01	.3350-01	.9604-03	.7923-03	.9377-03	.5730	4.258	543.2
440	30000	.90000	855.00	.6100-02	.5000-02	.6100-02	.1478-03	.1225-03	.1477-03	.9000-01	.6650	529.1
440	30000	.95000	856.00	.3400-02	.2800-02	.3400-02	.8280-04	.6862-04	.8348-04	.5100-01	.3680	527.0
440	35000	.00000	857.00	.9720-01	.8010-01	.8400-01	.2368-02	.1951-02	.2047-02	1.403	12.00	547.7
440	40000	.00000	858.00	.1876	.1538	.1516	.4570-02	.3747-02	.3935-02	2.634	26.41	563.7
440	40000	.50000-01	859.00	.3532	.2832	.3248	.8601-02	.7044-02	.7912-02	4.920	34.93	568.2
440	40000	.10000+00	860.00	.2231	.1832	.2106	.5435-02	.4463-02	.5129-02	3.159	22.54	558.6
440	40000	.20000	861.00	.1238	.1013	.1193	.3017-02	.2482-02	.2905-02	1.772	13.10	552.6
440	40000	.30000	862.00	.9680-01	.8130-01	.9570-01	.2407-02	.1981-02	.2332-02	1.419	10.16	550.5

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL44)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1(5TO) BTU/ R FT/SEC	H1(TO) BTU/ R FT/SEC	H1(TAW) BTU/ R FT/SEC	QDOT BTU/ FT/SEC	DTMOT DEG. R /SEC	TH DEG. R
440	.40000	.40000	863.00	.7890-01	.6500-01	.7850-01	.1921-02	.1582-02	.1863-02	1.137	8.712	548.3
440	.40000	.60000	864.00	.7240-01	.5970-01	.7010-01	.1764-02	.1455-02	.1707-02	1.050	7.085	544.9
440	.40000	.70000	865.00	.8330-01	.6870-01	.8070-01	.2028-02	.1673-02	.1966-02	1.208	8.155	544.3
440	.40000	.75000	866.00	.7340-01	.6050-01	.7140-01	.1787-02	.1474-02	.1739-02	1.066	7.917	543.5
440	.40000	.85000	867.00	.1920-01	.1590-01	.1900-01	.4682-03	.3977-03	.4632-03	.2860	2.173	529.8
440	.40000	.90000	868.00	.1090-01	.9000-02	.1100-01	.2853-03	.2198-03	.2669-03	.1620	1.402	528.3
440	.40000	.95000	869.00	.7700-02	.6400-02	.7800-02	.1872-03	.1551-03	.1897-03	.9370	527.2	527.2
440	.50000	.00000	871.00	.5501	.4460	.4697	.1340-01	.1087-01	.1144-01	7.276	58.47	597.0
440	.50000	.50000-01	872.00	.3493	.2860	.3231	.8509-02	.6968-02	.7870-02	4.872	36.99	567.3
440	.50000	.10000+00	873.00	.2058	.1692	.1960	.5014-02	.4123-02	.4774-02	2.938	21.71	554.0
440	.50000	.20000	874.00	.1357	.1150	.1348	.3402-02	.2801-02	.3284-02	2.008	14.39	549.9
440	.50000	.30000	875.00	.1173	.9660-01	.1135	.2958-02	.2354-02	.2765-02	1.690	12.12	548.5
440	.50000	.40000	876.00	.9730-01	.8020-01	.9430-01	.2370-02	.1953-02	.2296-02	1.406	10.09	546.7
440	.50000	.60000	877.00	.6910-01	.5700-01	.6700-01	.1684-02	.1389-02	.1633-02	1.004	6.987	543.9
440	.50000	.90000	878.00	.8200-02	.6800-02	.8000-02	.2005-03	.1562-03	.1950-03	1.230	9.700	526.8
440	.55000	.00000	879.00	.7198	.5732	.6061	.1753-01	.1396-01	.1476-01	8.689	70.86	644.4
440	.60000	.00000	880.00	.4512	.3648	.3944	.1099-01	.8886-02	.9363-02	5.877	52.92	605.2
440	.60000	.25000-01	881.00	.5070	.4126	.4564	.1235-01	.1005-01	.1112-01	6.842	51.47	586.0
440	.60000	.50000-01	882.00	.2783	.2276	.2581	.6778-02	.5544-02	.6286-02	3.858	36.86	570.9
440	.60000	.75000-01	883.00	.2776	.2276	.2581	.6778-02	.5544-02	.6286-02	3.858	36.86	570.9
440	.60000	.10000+00	884.00	.2150	.1769	.2056	.5237-02	.4308-02	.5009-02	3.901	28.70	552.3
440	.60000	.20000	885.00	.1456	.1200	.1409	.3547-02	.2923-02	.3433-02	2.104	15.10	546.8
440	.60000	.30000	886.00	.1352	.1114	.1308	.3292-02	.2713-02	.3186-02	1.951	13.15	547.3
440	.60000	.40000	887.00	.1207	.9950-01	.1167	.2941-02	.2424-02	.2843-02	1.745	12.13	546.8
440	.60000	.50000	888.00	.1066	.8790-01	.1033	.2597-02	.2141-02	.2517-02	1.544	10.75	545.2
440	.60000	.60000	889.00	.9170-01	.7560-01	.8890-01	.2233-02	.1843-02	.2166-02	1.334	9.295	542.6
440	.60000	.80000	891.00	.1320-01	.1090-01	.1300-01	.3204-03	.2655-03	.3170-03	1.960	1.470	527.4
440	.60000	.85000	892.00	.1120-01	.9300-02	.1110-01	.2728-03	.2261-03	.2712-03	1.670	1.234	526.1
440	.60000	.90000	893.00	.7900-02	.6500-02	.8000-02	.1924-03	.1595-03	.1939-03	.1180	.9020	525.1
440	.65000	.95000	894.00	.5400-02	.4500-02	.5500-02	.1313-03	.1089-03	.1331-03	.8100-01	.6170	524.3
440	.70000	.00000	895.00	.3387	.2755	.2899	.8251-02	.6710-02	.7061-02	4.551	38.14	588.4
440	.70000	.25000-01	896.00	.1639	.1341	.1409	.3992-02	.3266-02	.3432-02	2.277	29.46	569.5
440	.70000	.50000+00	897.00	.2312	.1898	.2084	.5631-02	.4622-02	.5078-02	3.268	30.10	559.7
440	.70000	.10000+00	898.00	.2171	.1787	.2073	.5289-02	.4353-02	.5049-02	3.116	21.62	550.8
440	.70000	.20000	899.00	.1781	.1468	.1718	.4339-02	.3576-02	.4184-02	2.574	15.91	546.7
440	.70000	.30063	900.00	.1456	.1201	.1411	.3547-02	.2926-02	.3437-02	2.116	13.10	543.4
440	.70000	.40000	901.00	.1251	.1032	.1212	.3047-02	.2515-02	.2953-02	1.822	11.61	542.2
440	.70000	.60000	902.00	.1106	.9130-01	.1073	.2694-02	.2224-02	.2614-02	1.612	10.27	541.9
440	.70000	.90000	903.00	.7500-02	.6200-02	.7500-02	.1826-03	.1515-03	.1838-03	.1120	.8160	524.4
440	.75000	.00000	904.00	.2550	.2092	.2197	.6212-02	.5095-02	.5351-02	3.588	28.29	562.3
440	.75000	.25000-01	905.00	.3448	.2816	.3094	.8398-02	.6859-02	.7536-02	4.740	37.13	575.5
440	.75000	.50000-01	906.00	.3025	.2486	.2829	.7369-02	.6055-02	.6892-02	4.302	31.75	556.2
440	.75000	.10000+00	907.00	.2330	.1917	.2224	.5675-02	.4671-02	.5417-02	3.344	23.20	550.8

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTLOT DEG. R /SEC	TM DEG. R
440	.75000	.20000	908.00	.1494	.1232	.1442	.3639-02	.3000-02	.3512-02	2.166	15.07	544.7
440	.75000	.30000	909.00	.1315	.1086	.1272	.3204-02	.2645-02	.3099-02	1.920	12.24	540.7
440	.75000	.40000	910.00	.1190	.9820-01	.1152	.2899-02	.2393-02	.2806-02	1.736	11.39	541.1
440	.75000	.60000	911.00	.1081	.8930-01	.1048	.2632-02	.2174-02	.2554-02	1.583	10.72	538.5
440	.75000	.80000	912.00	.1320-01	.1100-01	.1310-01	.3217-03	.2667-03	.3182-03	1.980	1.647	525.3
440	.75000	.90000	913.00	.8100-02	.6800-02	.8200-02	.1984-03	.1646-03	.1995-03	.9020	.9020	523.6
440	.75000	.95000	914.00	.8400-02	.6900-02	.8500-02	.2038-03	.1691-03	.2062-03	.9600	.9600	522.8
440	.80000	.00000	915.00	.3235	.2636	.2773	.7881-02	.6422-02	.6755-02	4.393	40.00	582.6
440	.80000	.20000	916.00	.1322	.1091	.1277	.3221-02	.2657-02	.3111-02	1.920	13.37	543.8
440	.80000	.40000	917.00	.1106	.9130-01	.1069	.2694-02	.2224-02	.2605-02	1.614	11.62	541.0
440	.80000	.60000	918.00	.8700-02	.7200-02	.8800-02	.2121-03	.1759-03	.2132-03	1.310	.9650	523.7
440	.85000	.00000	919.00	.4002	.3262	.3431	.9749-02	.7945-02	.8357-02	5.438	42.45	582.2
440	.85000	.20000	920.00	.1507	.1243	.1452	.3671-02	.3029-02	.3537-02	2.192	15.76	543.0
440	.85000	.40000	921.00	.1327	.1095	.1282	.3233-02	.2666-02	.3122-02	1.926	14.30	544.2
440	.90000	.00000	922.00	.2330	.1913	.2008	.5675-02	.4659-02	.4892-02	3.296	26.02	559.3
440	.90000	.10000-00	923.00	.2349	.1935	.2251	.5723-02	.4714-02	.5482-02	3.388	25.11	547.9
440	.90000	.30000	925.00	.1567	.1293	.1512	.3817-02	.3149-02	.3682-02	2.279	16.39	542.9
440	.90000	.50000	926.00	.1435	.1183	.1387	.3495-02	.2883-02	.3379-02	2.084	14.98	543.7
440	.90000	.80000	927.00	.1940-01	.1610-01	.1920-01	.4732-03	.3925-03	.4673-03	.2910	2.301	524.1
440	.90000	.90000	929.00	.9600-02	.7900-02	.9600-02	.2331-03	.1933-03	.2347-03	1.440	1.155	523.7
440	.95000	.00000	929.00	.1295	.1069	.1121	.3155-02	.2605-02	.2732-02	1.893	14.09	540.0
440	.95000	.50000-01	930.00	.1797	.1482	.1686	.4377-02	.3609-02	.4107-02	2.606	18.72	544.5
440	.95000	.10000-00	931.00	.1793	.1478	.1708	.4367-02	.3601-02	.4161-02	2.599	19.29	544.9
440	.95000	.30000	932.00	.1777	.1465	.1712	.4328-02	.3569-02	.4170-02	2.580	17.96	543.9
440	.95000	.50000	933.00	.1648	.1360	.1591	.4014-02	.3312-02	.3877-02	2.396	17.23	543.1
440	.95000	.70000	934.00	.1116	.9220-01	.1080	.2719-02	.2245-02	.2632-02	1.632	12.14	539.8
440	.95000	.90000	935.00	.2510-01	.2080-01	.2450-01	.6110-03	.5065-03	.5970-03	.3750	2.859	526.1
440	.95000	.60000	936.00	.1910-01	.1580-01	.1900-01	.4655-03	.3861-03	.4626-03	.2870	2.149	524.4
440	.95000	.90000	937.00	.1210-01	.1010-01	.1220-01	.2959-03	.2454-03	.2977-03	.1820	1.391	523.7

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = -30.00 SPDRK = 40.00
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
432	7.980	30.05	.0000	180.0	430.2	.4500-01	1303.	94.90	1.996	3808.	.3961-04
433	7.980	30.05	.0000	180.0	429.6	.4500-01	1297.	94.50	1.994	3800.	.3972-04
434	7.980	30.05	.0000	180.0	428.3	.4500-01	1296.	94.40	1.988	3798.	.3964-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
432	.7637-07		.3471-01	0.0175
433	.7605-07		.3466-01	.2892-01
434	.7597-07		.3461-01	.2894-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
434	.30000	.00000	845.00	.4230-01	.3500-01	.3570-01	.1464-02	.1212-02	.1271-02	.9130	10.17	543.4
434	.30000	.50000-01	846.00	.1262	.1037	.1185	.4368-02	.3589-02	.4102-02	2.608	28.68	569.6
434	.30000	.10000+00	847.00	.1137	.9360-01	.1075	.3935-02	.3240-02	.3719-02	2.378	20.19	562.2
434	.30000	.20000	848.00	.1049	.8650-01	.1002	.3632-02	.2993-02	.3466-02	2.206	15.74	559.2
434	.30000	.40000	850.00	.5490-01	.4520-01	.5230-01	.1901-02	.1565-02	.1828-02	1.150	8.195	561.4
434	.30000	.50000	851.00	.4370-01	.3600-01	.4240-01	.1513-02	.1246-02	.1467-02	.9150	6.732	561.9
434	.30000	.60000	852.00	.4230-01	.3480-01	.4100-01	.1464-02	.1206-02	.1418-02	.8860	6.523	561.2
434	.30000	.70000	853.00	.4650-01	.3940-01	.4530-01	.1614-02	.1330-02	.1567-02	.9800	6.985	559.7
434	.30000	.80000	854.00	.5800-01	.4780-01	.5650-01	.2007-02	.1655-02	.1959-02	1.222	9.013	557.8
434	.30000	.90000	855.00	.1490-01	.1240-01	.1490-01	.5156-03	.4280-03	.5149-03	.3270	2.399	533.2
434	.30000	.00000-01	856.00	.9800-02	.8100-02	.5900-02	.3384-03	.2811-03	.3411-03	.2150	1.559	530.0
434	.35000	.00000	857.00	.1000+00	.8240-01	.8650-01	.3459-02	.2853-02	.2993-02	2.110	17.96	556.8
434	.40000	.00000	858.00	.1916	.1568	.1648	.6630-02	.5425-02	.5702-02	3.870	38.43	583.0
434	.40000	.50000-01	859.00	.3460	.2823	.3177	.1197-01	.9771-02	.1099-01	6.884	48.30	591.7
434	.40000	.10000+00	860.00	.2183	.1789	.2059	.7554-02	.6191-02	.7124-02	4.447	31.42	577.9
434	.40000	.20000	861.00	.1173	.9650-01	.1130	.4061-02	.3339-02	.3909-02	2.434	17.87	567.1
434	.40000	.30000	862.00	.9270-01	.7620-01	.6980-01	.3207-02	.2638-02	.3108-02	1.925	13.68	566.3

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AEDC VKF V418-57A (OH-498) COLLATION DECK

OH-498 (AEDC V418-57A) ORBITER LOWER WING

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RUN NUMBER	2Y/8	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QOOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
434	40000	40000	863.00	7390-01	6080-01	7160-01	2557-02	2104-02	2479-02	1.540	11.71	564.3
434	40000	60000	864.00	7490-01	6170-01	7240-01	2591-02	2135-02	2505-02	1.575	10.55	558.7
434	40000	70000	865.00	8810-01	7260-01	8540-01	3049-02	2513-02	2955-02	1.852	12.40	559.4
434	40000	75000	866.00	7630-01	6290-01	7-20-01	2639-02	2176-02	2569-02	1.607	11.85	557.8
434	40000	85000	867.00	2320-01	2400-01	2370-01	1003-02	8321-03	9925-03	6.330	4.801	535.5
434	40000	90000	868.00	1550-01	1290-01	1560-01	4368-03	4459-03	5400-03	2.942	2.542	531.2
434	40000	95000	869.00	1270-01	1050-01	1280-01	4388-03	3647-03	4445-03	2.283	2.283	529.2
434	50000	00000	871.00	5536	4454	4599	1916-01	1541-01	1626-01	10.22	80.71	633.1
434	50000	50000-01	872.00	3493	2848	3325	1209-01	9858-02	1116-01	6.921	51.85	594.2
434	50000	10000+00	873.00	2046	1678	1346	7080-02	5808-02	6736-02	4.189	30.63	574.9
434	50000	20000	874.00	1374	1131	1326	4756-02	3313-02	4590-02	2.860	20.37	565.3
434	50000	30000	875.00	1193	9820-01	1154	4127-02	3398-02	3992-02	2.491	17.73	563.0
434	50000	40000	876.00	1000+00	8230-01	9370-01	3460-02	2848-02	3351-02	2.088	14.86	563.3
434	50000	50000	877.00	7630-01	6290-01	7400-01	2642-02	2177-02	2562-02	1.605	11.09	559.2
434	50000	60000	878.00	1290-01	1070-01	1260-01	4476-03	3720-03	4354-03	2.850	2.247	529.1
434	55000	00000	879.00	7102	5570	5310	2458-01	1928-01	2045-01	11.58	92.20	695.3
434	60000	00000	880.00	4619	3703	3309	1598-01	1281-01	1353-01	8.373	74.02	642.8
434	60000	25000-01	881.00	5101	4127	4577	1765-01	1428-01	1584-01	9.698	71.84	617.3
434	60000	50000-01	882.00	2841	2315	2531	9832-02	8012-02	9104-02	5.611	52.96	595.9
434	60000	75000-01	883.00	2913	2383	2753	1008-01	8246-02	9529-02	5.874	42.76	583.8
434	60000	10000+00	884.00	2132	1751	2038	7377-02	6060-02	7053-02	4.401	31.22	570.0
434	60000	20000	885.00	1450	1193	1402	5017-02	4129-02	4853-02	3.025	21.53	563.7
434	60000	30000	886.00	1395	1147	1349	4826-02	3970-02	4668-02	2.901	19.38	565.5
434	60000	40000	887.00	1203	9890-01	1162	4162-02	3424-02	4021-02	2.504	17.25	564.9
434	60000	50000	888.00	1076	8860-01	1043	3725-02	3067-02	3609-02	2.251	15.53	562.3
434	60000	60000	889.00	9190-01	7580-01	8310-01	3181-02	2622-02	3084-02	1.934	13.37	558.4
434	60000	80000	891.00	1540-01	1280-01	1530-03	5335-03	4431-03	5279-03	3.390	2.533	531.3
434	60000	95000	892.00	1230-01	1070-01	1280-01	4450-03	3698-03	4424-03	2.840	2.088	529.0
434	60000	50000	893.00	9400-02	7800-02	9500-02	3262-03	2713-03	3288-03	2.090	1.591	526.6
434	60000	95000	894.00	8000-02	6700-02	8100-02	2779-03	2312-03	2815-03	1.780	1.360	525.0
434	65000	00000	895.00	3340	2704	2349	1156-01	9357-02	9858-02	6.363	52.61	616.1
434	70000	00000	896.00	1601	1307	1375	5542-02	4524-02	4757-02	3.193	40.89	590.4
434	70000	25000-01	897.00	2278	1868	2052	7883-02	6463-02	7102-02	4.652	42.49	576.4
434	70000	10000+00	898.00	2166	1781	2067	7494-02	6164-02	7151-02	4.500	30.96	566.2
434	70000	20000	899.00	1832	1509	1766	6338-02	5222-02	6112-02	3.845	23.61	559.9
434	70000	30000	900.00	1468	1211	1423	5082-02	4189-02	4923-02	3.093	19.01	558.0
434	70000	40000	901.00	1256	1035	1217	4346-02	3581-02	4210-02	2.638	16.66	559.7
434	70000	60000	902.00	1151	9490-01	1116	3984-02	3283-02	3863-02	2.418	15.27	559.6
434	70000	90000	903.00	9400-02	7800-02	9500-02	3263-03	2714-03	3282-03	2.090	1.515	526.1
434	75000	00000	904.00	2282	1872	1966	7898-02	6178-02	6804-02	4.670	36.58	575.3
434	75000	25000-01	905.00	3173	2585	2843	1098-01	8946-02	9838-02	6.264	48.56	596.1
434	75000	50000-01	906.00	2822	2317	2638	9766-02	8017-02	9129-02	5.805	42.51	572.1
434	75000	10000+00	907.00	2275	1871	2171	7874-02	6475-02	7513-02	4.721	32.49	567.1

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER LOWER HING

DATE 25 AUG 76

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(TAN) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTWOT DEG. R /SEC	TH DEG. R
434	.75000	.20000	908.00	.1594	.1314	.1538	.5515-02	.4548-02	.5322-02	3.361	23.25	557.1
434	.75000	.30000	909.00	.1307	.1079	.1264	.4522-02	.3733-02	.4375-02	3.774	17.58	553.1
434	.75000	.40000	910.00	.1211	.990-01	.1172	.4192-02	.3456-02	.4056-02	2.550	16.59	558.4
434	.75000	.60000	911.00	.1069	.882-01	.1037	.3700-02	.3052-02	.3588-02	2.258	15.15	556.3
434	.75000	.80000	912.00	.1370-01	.1140-01	.1350-01	.4732-03	.3933-03	.4681-03	2.302	2.512	528.3
434	.75000	.90000	913.00	.9500-02	.7900-02	.9500-02	.3272-03	.2723-03	.3290-03	2.100	1.550	524.6
434	.75000	.95000	914.00	.1130-01	.9400-02	.1150-01	.3925-03	.3266-03	.3970-03	2.520	1.925	523.8
434	.80000	.00000	915.00	.3261	.2645	.2785	.1129-01	.9153-02	.9639-02	6.279	56.40	610.2
434	.80000	.20000	916.00	.2595	.2130	.2533	.8933-02	.7372-02	.8662-02	5.338	36.64	572.2
434	.80000	.40000	917.00	.1440	.1187	.1392	.4984-02	.4109-02	.4817-02	3.032	21.63	558.3
434	.80000	.60000	918.00	.9100-02	.7600-02	.9100-02	.3149-03	.2620-03	.3165-03	7.858	1.492	524.5
434	.80000	.80000	919.00	.4080	.3309	.3485	.1412-01	.1145-01	.1206-01	5.199	60.50	610.1
434	.85000	.00000	920.00	.2510	.2063	.2416	.8686-02	.7140-02	.8362-02	36.91	36.91	568.1
434	.85000	.20000	921.00	.3663	.2993	.3530	.1268-01	.1036-01	.1222-01	53.34	53.34	587.5
434	.90000	.40000	922.00	.2311	.1835	.1920	.7998-02	.6557-02	.6888-02	4.714	36.89	577.2
434	.90000	.60000	923.00	.2228	.1834	.2134	.7710-02	.6348-02	.7383-02	4.658	34.28	562.4
434	.90000	.80000	924.00	.2220	.1828	.2140	.7682-02	.6325-02	.7406-02	4.640	33.04	562.5
434	.90000	.00000	925.00	.3356	.2749	.3240	.1161-01	.9512-02	.1121-01	6.810	48.06	580.3
434	.90000	.20000	926.00	.2730-01	.2270-01	.2690-01	.9435-03	.7843-03	.9317-03	6.030	4.749	527.9
434	.90000	.40000	927.00	.1590-01	.1320-01	.1600-01	.5436-03	.4564-03	.5524-03	3.520	2.828	525.0
434	.95000	.60000	928.00	.1281	.1060	.1111	.4434-02	.3667-02	.3844-02	2.748	20.38	546.8
434	.95000	.80000	929.00	.1818	.1500	.1706	.6292-02	.5191-02	.5905-02	3.842	27.44	556.0
434	.95000	.00000	930.00	.1810	.1493	.1725	.6265-02	.5167-02	.5969-02	3.821	28.20	556.7
434	.95000	.20000	931.00	.1816	.1498	.1749	.6284-02	.5187-02	.6054-02	3.834	26.53	556.5
434	.95000	.40000	932.00	.1748	.1442	.1688	.6050-02	.4991-02	.5842-02	3.694	26.38	556.1
434	.95000	.60000	933.00	.1821	.1501	.1762	.6302-02	.5194-02	.6097-02	3.828	28.21	559.3
434	.95000	.80000	934.00	.3950-01	.3280-01	.3860-01	.1367-02	.1136-02	.1336-02	.8710	6.624	529.7
434	.95000	.00000	935.00	.2940-01	.2450-01	.2920-01	.1018-02	.8463-03	.1011-02	.6520	4.882	526.4
434	.95000	.20000	936.00	.1840-01	.1530-01	.1850-01	.6354-03	.5287-03	.6391-03	.4080	3.112	524.4

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) ORBITER LOWER WING

LOWER WING
PARAMETRIC DATA
ALPHA = 30.00 BETA = .0000 ELEVTR = -30.00 SPOBRK = 40.00
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	FO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
426	8.000	3.697	30.10	.0000	180.0	850.4	.8800-01	1356.	98.20	3.948	3885.	.7527-04
427	8.000	3.692	30.05	.0000	180.0	850.2	.8800-01	1357.	98.30	3.947	3887.	.7519-04
428	8.000	3.692	30.06	.0000	180.0	850.2	.8800-01	1357.	98.30	3.947	3887.	.7519-04

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1GTO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DT/DT DEG. R	TH DEG. R
428	30000	.00000	845.00	.3990-01	.3310-01	.3470-01	.1959-02	.1627-02	.1705-02	1.303	14.43	555.9
428	30000	.50000-01	846.00	.1187	.9740-01	.1114	.5835-02	.4790-02	.5479-02	3.630	39.34	599.1
428	30000	.10000+00	847.00	.1055	.8690-01	.3970-01	.5186-02	.4271-02	.4901-02	3.286	27.56	587.4
428	30000	.20000	848.00	.1043	.8610-01	.3960-01	.5129-02	.4233-02	.4897-02	3.289	23.21	580.0
428	30000	.40000	850.00	.5620-01	.4630-01	.3410-01	.2765-02	.2278-02	.2660-02	1.754	12.34	586.8
428	30000	.50000	851.00	.5350-01	.4410-01	.3190-01	.2633-02	.2167-02	.2552-02	1.664	12.08	589.3
428	30000	.60000	852.00	.8650-01	.7120-01	.3380-01	.4252-02	.3500-02	.4121-02	2.684	19.19	589.9
428	30000	.70000	853.00	.1285	.1057	.1247	.6319-02	.5194-02	.6131-02	3.959	27.75	594.5
428	30000	.80000	854.00	.1855	.1522	.1809	.9117-02	.7484-02	.8894-02	5.669	40.95	599.4
428	30000	.90000	855.00	.3030-01	.2530-01	.3030-01	.1490-02	.1241-02	.1488-02	1.008	7.361	544.8
428	30000	.95000	856.00	.2380-01	.1980-01	.2390-01	.1168-02	.9736-03	.1177-02	.7950	5.725	540.1
428	35000	.00000	857.00	.9940-01	.8210-01	.8610-01	.4694-02	.4035-02	.4231-02	3.148	26.54	576.5
428	40000	.00000	858.00	.1876	.1532	.1611	.9224-02	.7530-02	.7918-02	5.564	54.32	617.9
428	40000	.50000-01	859.00	.3459	.2809	.3169	.1700-01	.1381-01	.1558-01	9.972	68.53	634.6
428	40000	.10000+00	860.00	.2235	.1828	.2106	.1099-01	.8984-02	.1035-01	6.683	46.41	612.9
428	40000	.20000	861.00	.1212	.9960-01	.1167	.5960-02	.4897-02	.5737-02	3.725	26.96	596.1
428	40000	.30000	862.00	.9830-01	.8080-01	.9520-01	.4832-02	.3972-02	.4681-02	3.031	21.24	593.9

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

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(RVIL44)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(19T0) BTU/ R FT2SEC	H(1T0) BTU/ R FT2SEC	H(TAM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TH DEG. R
428	40000	40000	863.00	.8430-01	.6930-01	.8170-01	.4143-02	.3407-02	.4015-02	2.605	19.54	592.2
428	40000	60000	864.00	.1231	.1014	.1191	.6054-02	.4986-02	.5854-02	3.837	25.35	587.3
428	40000	70000	865.00	.1593	.1311	.1543	.7829-02	.6442-02	.7586-02	4.936	32.56	590.5
428	40000	75000	866.00	.1629	.1340	.1585	.8008-02	.6590-02	.7791-02	5.047	36.62	590.8
428	40000	85000	867.00	.3260-01	.2720-01	.3230-01	.1605-02	.1337-02	.1588-02	1.086	8.202	544.3
428	40000	90000	868.00	.2150-01	.1790-01	.2160-01	.1056-02	.8808-03	.1062-02	.7200	6.180	539.7
428	40000	95000	869.00	.1890-01	.1580-01	.1910-01	.9294-03	.7755-03	.9411-03	.6350	5.166	537.4
428	50000	00000	871.00	.5387	.4274	.4523	.2648-01	.2101-01	.2224-01	13.00	105.5	700.1
428	50000	50000-01	872.00	.3613	.2925	.3325	.1776-01	.1438-01	.1635-01	10.24	74.87	644.4
428	50000	10000+00	873.00	.2194	.1795	.2086	.1079-01	.8826-02	.1026-01	6.586	47.32	610.5
428	50000	20000	874.00	.1442	.1185	.1391	.7089-02	.5826-02	.6839-02	4.440	31.11	594.8
428	50000	30000	875.00	.1208	.9947-01	.1169	.5940-02	.4887-02	.5745-02	3.740	26.25	591.4
428	50000	40000	876.00	.1068	.8790-01	.1034	.5250-02	.4321-02	.5083-02	3.312	23.26	590.2
428	50000	50000	877.00	.1053	.8670-01	.1021	.5177-02	.4284-02	.5320-02	3.279	22.34	587.7
428	50000	60000	878.00	.1900-01	.1580-01	.1850-01	.9328-03	.7782-03	.9079-03	13.14	4.996	538.0
428	55000	00000	879.00	.6148	.4686	.5003	.3022-01	.2304-01	.2450-01	13.14	100.3	785.2
428	60000	00000	880.00	.4476	.3523	.3736	.2200-01	.1732-01	.1836-01	11.04	94.16	719.2
428	60000	25000-01	881.00	.5134	.4090	.4569	.2524-01	.2011-01	.2246-01	13.41	95.99	689.6
428	60000	50000-01	882.00	.2930	.2361	.2700	.1440-01	.1161-01	.1327-01	8.110	74.27	658.0
429	60000	75000-01	883.00	.2978	.2415	.2808	.1464-01	.1187-01	.1380-01	8.516	60.33	639.4
428	60000	10000+00	884.00	.2285	.1867	.2285	.1123-01	.9179-02	.1073-01	5.812	47.27	614.7
428	60000	20000	885.00	.1587	.1304	.1535	.7804-02	.6413-02	.7546-02	4.880	34.18	595.7
428	60000	30000	886.00	.1542	.1267	.1591	.7578-02	.6226-02	.7328-02	4.734	31.14	596.4
428	60000	40000	887.00	.1436	.1180	.1387	.6617-02	.5445-02	.6411-02	4.171	28.37	590.7
428	60000	50000	888.00	.1346	.1108	.1198	.6075-02	.5006-02	.5890-02	3.862	26.34	585.3
428	60000	60000	889.00	.1236	.1018	.1198	.1038-02	.8660-03	.1028-02	7.080	5.271	539.2
428	60000	85000	892.00	.2110-01	.1760-01	.2090-01	.8412-03	.7022-03	.8364-03	5.760	4.226	536.1
428	60000	90000	893.00	.1360-01	.1130-01	.1370-01	.6655-03	.5557-03	.6716-03	4.590	3.484	532.8
428	60000	95000	894.00	.1450-01	.1210-01	.1450-01	.7105-03	.5935-03	.7194-03	4.890	3.715	532.7
428	65000	00000	895.00	.3172	.2545	.2687	.1560-01	.1251-01	.1321-01	8.586	69.15	670.6
428	70000	00000	896.00	.1591	.1294	.1591	.7833-02	.6360-02	.6694-02	5.612	57.89	631.5
428	70000	25000-01	897.00	.2344	.1913	.2107	.1152-01	.9404-02	.1036-01	6.935	62.01	619.4
428	70000	10000+00	898.00	.2201	.1801	.2097	.1062-01	.8851-02	.1031-01	6.606	44.50	610.4
428	70000	20000	899.00	.1876	.1541	.1808	.9224-02	.7577-02	.8888-02	5.759	34.71	596.8
428	70000	30000	900.00	.1543	.1270	.1494	.7584-02	.6243-02	.7346-02	4.788	28.96	589.8
428	70000	40000	901.00	.1488	.1225	.1441	.7314-02	.6020-02	.7084-02	4.616	28.71	590.0
428	70000	60000	902.00	.2047	.1682	.1984	.1006-01	.8268-02	.9751-02	6.294	39.05	595.5
428	70000	80000	903.00	.1550-01	.1300-01	.1560-01	.7628-03	.6371-03	.7671-03	5.250	3.790	533.4
428	75000	00000	904.00	.2470	.2021	.2124	.1214-01	.9934-02	.1044-01	10.413	57.06	610.5
428	75000	25000-01	905.00	.3691	.3280	.3691	.1815-01	.1465-01	.1617-01	10.31	77.77	652.8
428	75000	50000-01	906.00	.4035	.3277	.3757	.1983-01	.1611-01	.1847-01	11.54	82.69	634.2
428	75000	10000+00	907.00	.3624	.2944	.3447	.1782-01	.1447-01	.1695-01	10.46	69.67	633.9

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

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(RV1L44)

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9T) R BTU/SEC	H(10T) R BTU/SEC	H(11T) R BTU/SEC	COOT BTU/SEC	DTWOT DEG. R /SEC	TH DEG. R
428	.75000	.20000	908.00	.2005	.1645	.1933	.9857-02	.8089-02	.9503-02	6.118	41.41	600.5
428	.75000	.30000	909.00	.1364	.1125	.1320	.6708-02	.5528-02	.6487-02	4.267	26.61	584.9
428	.75000	.40000	910.00	.1272	.1047	.1230	.6252-02	.5149-02	.6048-02	3.961	25.39	587.5
428	.75000	.60000	911.00	.2071	.1705	.2008	.1018-01	.8379-02	.9869-02	6.424	42.38	590.1
428	.75000	.80000	912.00	.2170-01	.1810-01	.2140-01	.1055-02	.8892-03	.1054-02	.7300	6.044	536.2
428	.75000	.90000	913.00	.1410-01	.1170-01	.1410-01	.6911-03	.5973-03	.6948-03	.4770	3.507	531.0
428	.75000	.95000	914.00	.1450-01	.1220-01	.1470-01	.7146-03	.5973-03	.7226-03	.4940	3.754	530.3
428	.80000	.00000	915.00	.3563	.2867	.3025	.1752-01	.1410-01	.1487-01	9.795	85.81	661.9
428	.80000	.20000	916.00	.5049	.4089	.4757	.2482-01	.2010-01	.2388-01	9.795	95.11	643.1
428	.80000	.40000	917.00	.2056	.1687	.1986	.1011-01	.8291-02	.9761-02	6.255	43.67	602.3
428	.80000	.60000	918.00	.4067	.3280	.3458	.6917-03	.5780-03	.6949-03	4.770	3.508	531.3
428	.85000	.20000	919.00	.4552	.3694	.4370	.1993-01	.1612-01	.1700-01	11.30	85.06	656.2
428	.85000	.40000	920.00	.4981	.4031	.4791	.2238-01	.1816-01	.2148-01	13.08	89.78	636.7
428	.85000	.60000	921.00	.4981	.4031	.4791	.2448-01	.1981-01	.2355-01	14.10	99.59	645.3
428	.90000	.00000	922.00	.2255	.1847	.1941	.1103-01	.9080-02	.9540-02	6.807	52.49	607.1
428	.90000	.10000	923.00	.2740	.2252	.2623	.1347-01	.1107-01	.1289-01	8.429	61.01	595.2
428	.90000	.30000	925.00	.4398	.3572	.4228	.2162-01	.1756-01	.2079-01	12.68	87.10	634.8
428	.90000	.50000	926.00	.4226	.3437	.4074	.2078-01	.1690-01	.2003-01	12.27	84.52	630.3
428	.90000	.80000	927.00	.3330-01	.2780-01	.3290-01	.1639-02	.1369-02	.1619-02	1.125	8.840	534.6
428	.90000	.90000	928.00	.1970-01	.1650-01	.1990-01	.9708-03	.8111-03	.9773-03	.6690	5.354	532.1
428	.95000	.00000	929.00	.1260	.1045	.1095	.6194-02	.5136-02	.5381-02	4.081	30.03	562.3
428	.95000	.50000	930.00	.1809	.1494	.1698	.8891-02	.7343-02	.8347-02	5.722	40.44	577.5
428	.95000	.10000	931.00	.2071	.1708	.1973	.1018-01	.8397-02	.9701-02	6.498	47.33	582.9
428	.95000	.20000	932.00	.2936	.2409	.2826	.1443-01	.1164-01	.1389-01	8.947	60.54	601.2
428	.95000	.30000	933.00	.3746	.3052	.3608	.1842-01	.1500-01	.1774-01	10.99	75.93	624.2
428	.95000	.50000	934.00	.2889	.2364	.2791	.1420-01	.1162-01	.1372-01	8.681	62.40	609.7
428	.95000	.70000	935.00	.4570-01	.3810-01	.4470-01	.2248-02	.1873-02	.2196-02	1.531	11.59	539.4
428	.95000	.80000	936.00	.3230-01	.2690-01	.3210-01	.1586-02	.1325-02	.1576-02	1.090	8.135	534.0
428	.95000	.90000	937.00	.2080-01	.1740-01	.2090-01	.1023-02	.8546-03	.1029-02	.7050	5.361	531.5

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RV1L45)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -30.00 SPDRK = 40.00
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
447	7.900	.5370	40.03	.0000	180.0	.09.1	.1200-01	1267.	93.90	.5300	3752.	.1083-04
448	7.900	.5420	40.02	.0000	180.0	.10.5	.1200-01	1270.	94.20	.5360	3756.	.1094-04
449	7.900	.5378	40.03	.0000	180.0	.110.5	.1200-01	1276.	94.70	.5360	3766.	.1088-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
447	.7564-07	.1779-01	.5526-01	0.0175
448	.7581-07	.1791-01	.5498-01	
449	.7621-07	.1793-01	.5516-01	

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
449	.30000	.00000	845.00	.4430-01	.3670-01	.3980-01	.7949-03	.6585-03	.7137-03	.4900	5.487	532.5
449	.30000	.50000-01	846.00	.1521	.1256	.1373	.2727-02	.2251-02	.2461-02	1.648	18.36	544.2
449	.30000	.10000-00	847.00	.1393	.1150	.1264	.2497-02	.2062-02	.2266-02	1.512	12.96	543.1
449	.30000	.20000	848.00	.1264	.1045	.1157	.2267-02	.1873-02	.2075-02	1.376	9.902	541.6
449	.30000	.40000	850.00	.8090-01	.6580-01	.7460-01	.1451-02	.1198-02	.1338-02	.8760	6.291	545.1
449	.30000	.50000	851.00	.7050-01	.5820-01	.6550-01	.1264-02	.1043-02	.1174-02	.7620	5.656	545.4
449	.30000	.60000	852.00	.6470-01	.5340-01	.6000-01	.1159-02	.9572-03	.1076-02	.7010	5.272	544.3
449	.30000	.70000	853.00	.5830-01	.4820-01	.5430-01	.1046-02	.8639-03	.9727-03	.6340	4.556	542.8
449	.30000	.80000	854.00	.6070-01	.5020-01	.5680-01	.1088-02	.8995-03	.1018-02	.6610	4.918	541.0
449	.30000	.90000	855.00	.1590-01	.1320-01	.1520-01	.2844-03	.2359-03	.2722-03	.1770	1.301	527.3
449	.30000	.95000	856.00	.9300-02	.7700-02	.9000-02	.1664-03	.1381-03	.1609-03	.1040	.7530	525.1
449	.40000	.00000	857.00	.1055	.8720-01	.9460-01	.1892-02	.1584-02	.1696-02	1.152	9.888	539.9
449	.40000	.00000	858.00	.1781	.1469	.1595	.3193-02	.2633-02	.2859-02	1.918	19.38	548.0
449	.40000	.50000-01	859.00	.3525	.2903	.3124	.6320-02	.5205-02	.5601-02	3.766	76.95	552.7
449	.40000	.10000-00	860.00	.2437	.2009	.2208	.4369-02	.3603-02	.3958-02	2.623	18.81	548.2
449	.40000	.20000	861.00	.1417	.1169	.1308	.2540-02	.2096-02	.2344-02	1.532	11.37	545.7
449	.40000	.30000	862.00	.1209	.9980-01	.1123	.2168-02	.1789-02	.2013-02	1.308	9.397	545.1

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL45)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19TO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TM DEG. R
449	40000	40000	863.00	.9710-01	.8010-01	.9310-01	.1740-02	.1436-02	.1616-02	1.050	8.066	544.9
449	40000	60000	864.00	.1019	.8420-01	.9440-01	.1825-02	.1509-02	.1692-02	1.111	7.516	539.8
449	40000	70000	865.00	.9070-01	.7500-01	.8420-01	.1626-02	.1344-02	.1510-02	.9890	6.689	540.4
449	40000	75000	866.00	.7790-01	.6440-01	.7260-01	.1396-02	.1154-02	.1302-02	.8520	6.341	538.6
449	40000	85000	867.00	.2700-01	.2240-01	.2560-01	.4844-03	.4018-03	.4594-03	.3010	2.291	527.6
449	40000	90000	868.00	.1860-01	.1550-01	.1800-01	.3341-03	.2773-03	.3223-03	.2080	1.801	525.3
449	50000	95000	869.00	.1230-01	.1020-01	.1200-01	.2209-03	.1835-03	.2148-03	.1380	1.131	523.3
449	50000	00000	871.00	.4880	.4005	.4357	.8750-02	.7180-02	.7811-02	5.106	41.69	565.0
449	50000	50000-01	872.00	.3556	.2930	.3167	.6376-02	.5233-02	.5679-02	3.804	29.10	552.0
449	50000	10000+00	873.00	.2211	.1826	.2020	.3965-02	.3274-02	.3622-02	2.399	17.82	543.6
449	50000	20000	874.00	.1480	.1223	.1369	.2653-02	.2192-02	.2455-02	1.612	11.60	540.9
449	50000	30000	875.00	.1176	.9720-01	.1091	.2109-02	.1743-02	.1955-02	1.283	9.237	540.2
449	50000	40000	876.00	.9960-01	.8230-01	.9250-01	.1786-02	.1476-02	.1658-02	1.085	7.809	541.2
449	50000	60000	877.00	.9260-01	.7660-01	.8610-01	.1660-02	.1373-02	.1543-02	1.011	7.055	539.6
449	50000	90000	878.00	.1750-01	.1450-01	.1630-01	.3129-03	.2598-03	.2918-03	.1960	1.545	523.4
449	55000	00000	879.00	.6463	.5252	.5736	.1159-01	.9416-02	.1028-01	6.414	53.58	595.0
449	60000	00000	880.00	.5774	.4701	.5131	.1035-01	.8428-02	.9195-02	5.784	52.47	589.9
449	60000	25000-01	881.00	.7023	.5749	.6106	.1260-01	.1031-01	.1095-01	7.224	54.63	575.3
449	60000	50000-01	882.00	.3714	.3049	.3310	.6658-02	.5467-02	.5934-02	3.900	37.42	562.8
449	60000	75000-01	883.00	.3823	.3146	.3469	.6853-02	.5641-02	.6220-02	4.068	30.05	555.0
449	60000	10000+00	884.00	.2858	.2359	.2622	.5125-02	.4230-02	.4700-02	3.092	22.20	545.3
449	60000	20000	885.00	.1808	.1495	.1677	.3242-02	.2681-02	.3007-02	1.977	14.25	538.8
449	60000	30000	886.00	.1570	.1298	.1456	.2815-02	.2328-02	.2611-02	1.716	11.62	538.9
449	60000	40000	887.00	.1309	.1083	.1213	.2348-02	.1941-02	.2175-02	1.431	9.984	539.2
449	60000	50000	888.00	.1208	.9990-01	.1123	.2166-02	.1792-02	.2013-02	1.323	9.239	537.9
449	60000	60000	889.00	.1081	.8950-01	.1005	.1938-02	.1604-02	.1802-02	1.187	8.299	536.0
449	60000	80000	891.00	.2610-01	.2170-01	.2480-01	.4685-03	.3889-03	.4444-03	.2920	2.192	524.8
449	60000	85000	892.00	.2330-01	.1930-01	.2220-01	.4173-03	.3466-03	.3977-03	.2610	1.927	523.2
449	60000	90000	893.00	.1730-01	.1440-01	.1680-01	.3107-03	.2582-03	.3004-03	.1950	1.490	520.9
449	60000	95000	894.00	.1450-01	.1210-01	.1100-01	.2602-03	.2163-03	.2530-03	.1640	1.252	519.2
449	65000	00000	895.00	.3686	.3022	.3289	.6609-02	.5419-02	.5897-02	3.841	32.53	567.4
449	70000	00000	896.00	.1532	.1263	.1372	.2747-02	.2265-02	.2460-02	1.646	21.51	549.5
449	70000	25000-01	897.00	.2485	.2051	.2168	.4456-02	.3677-02	.3886-02	2.684	24.89	546.1
449	70000	10000+00	898.00	.2676	.2128	.2359	.4618-02	.3815-02	.4229-02	2.801	19.52	542.1
449	70000	20000	899.00	.2076	.1717	.1920	.3722-02	.3079-02	.3442-02	2.274	14.12	537.7
449	70000	30000	900.00	.1691	.1400	.1572	.3033-02	.2511-02	.2818-02	1.862	11.58	534.7
449	70000	40000	901.00	.1476	.1222	.1372	.2647-02	.2131-02	.2459-02	1.625	10.39	534.6
449	70000	60000	902.00	.1331	.1102	.1238	.2366-02	.1975-02	.2219-02	1.466	9.375	534.3
449	70000	90000	903.00	.1850-01	.1550-01	.1790-01	.3333-03	.2770-03	.3216-03	.2090	1.523	520.2
449	75000	00000	904.00	.2188	.1808	.1962	.3923-02	.3242-02	.3517-02	2.382	18.98	541.4
449	75000	25000-01	905.00	.3278	.2699	.2850	.5877-02	.4839-02	.5109-02	3.498	27.70	553.4
449	75000	50000-01	906.00	.3428	.2829	.3082	.6145-02	.5073-02	.5526-02	3.709	27.53	545.0
449	75000	10000+00	907.00	.2938	.2427	.2690	.5267-02	.4351-02	.4823-02	3.192	22.24	542.5

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL45)

RUN NUMBER	2Y/B	X/C	T/C NO	H/REF R=0.9	H/REF R=1.0	H/REF (TAM)	H(910) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAM) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
449	.75000	.20000	908.00	.2077	.1718	.922	.3724-02	.3081-02	.7446-02	2.276	15.90	537.3
449	.75000	.30000	909.00	.1705	.1412	.1582	.3057-02	.2532-02	.2836-02	1.881	12.04	533.3
449	.75000	.40000	910.00	.1471	.1218	.1365	.2637-02	.2184-02	.2447-02	1.621	10.68	533.9
449	.75000	.60000	911.00	.1303	.1079	.1212	.2335-02	.1935-02	.2173-02	1.442	9.800	531.1
449	.75000	.80000	912.00	.2660-01	.2210-01	.2520-01	.4761-03	.3956-03	.4515-03	.2980	2.489	522.0
449	.75000	.90000	913.00	.1960-01	.1630-01	.1890-01	.3511-03	.2919-03	.3387-03	.2210	1.635	519.0
449	.75000	.95000	914.00	.1380-01	.1150-01	.1340-01	.2480-03	.2062-03	.2407-03	1.560	1.197	518.0
449	.80000	.00000	915.00	.2673	.2202	.2392	.4792-02	.3947-02	.4288-02	2.357	26.41	552.5
449	.80000	.20000	916.00	.1991	.1647	.843	.3571-02	.2952-02	.3305-02	2.177	15.19	539.0
449	.80000	.40000	917.00	.1534	.1270	.422	.2751-02	.2278-02	.2550-02	1.690	12.21	534.2
449	.80000	.60000	918.00	.1940-01	.1610-01	.270-01	.3472-03	.2887-03	.3347-03	2.180	1.616	519.3
449	.85000	.00000	919.00	.3073	.2533	.2751	.5510-02	.4542-02	.4933-02	3.299	26.17	549.9
449	.85000	.20000	920.00	.2141	.1772	.1978	.3839-02	.3176-02	.3547-02	2.349	16.94	536.7
449	.85000	.40000	921.00	.1734	.1436	.606	.3109-02	.2574-02	.2879-02	1.907	14.23	535.1
449	.90000	.00000	922.00	.1768	.1461	.1585	.3169-02	.2620-02	.2842-02	1.930	15.39	539.5
449	.90000	.10000*00	923.00	.2411	.1995	.2216	.4322-02	.3576-02	.3973-02	2.643	19.69	537.2
449	.90000	.30000	925.00	.1856	.1535	.1716	.3327-02	.2753-02	.3077-02	2.037	14.69	536.4
449	.90000	.50000	926.00	.1668	.1381	.1547	.2991-02	.2477-02	.2773-02	1.838	13.27	534.1
449	.90000	.80000	927.00	.2420-01	.2010-01	.2300-01	.4346-03	.3611-03	.4115-03	2.730	2.155	521.6
449	.90000	.90000	928.00	.1770-01	.1470-01	.1710-01	.3177-03	.2641-03	.3069-03	2.000	1.610	519.6
449	.95000	.00000	929.00	.9370-01	.7770-01	.8420-01	.1680-02	.1394-02	.1510-02	1.044	7.817	527.3
449	.95000	.50000-01	930.00	.1443	.1196	.1303	.2587-02	.2143-02	.2336-02	1.596	11.54	531.7
449	.95000	.10000*00	931.00	.1672	.1384	.1530	.2998-02	.2482-02	.2742-02	1.841	13.74	534.5
449	.95000	.20000	932.00	.1924	.1592	.177	.3449-02	.2854-02	.3187-02	2.114	14.78	535.6
449	.95000	.30000	933.00	.1885	.1561	.1746	.3380-02	.2798-02	.3130-02	2.072	14.96	535.6
449	.95000	.50000	934.00	.1366	.1131	.1268	.2449-02	.2028-02	.2273-02	1.508	11.26	532.7
449	.95000	.70000	935.00	.3510-01	.2920-01	.3290-01	.6302-03	.5236-03	.5905-03	3.950	3.018	521.6
449	.95000	.80000	936.00	.2820-01	.2340-01	.2690-01	.5055-03	.4202-03	.4817-03	3.180	2.390	519.8
449	.95000	.90000	937.00	.1790-01	.1490-01	.1730-01	.3214-03	.2672-03	.3101-03	2.020	1.547	519.2

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LOWER WING

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -30.00 SPOBRK = 40.00
BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
441	7.940	1.015	40.07	.0000	180.0	208.9	.2200-01	1266.	93.10	.9920	3753.	.2026-04
442	7.940	1.017	40.07	.0000	180.0	209.1	.2200-01	1266.	93.00	.9930	3752.	.2029-04
443	7.940	1.016	40.09	.0000	180.0	209.4	.2300-01	1268.	93.20	.9940	3755.	.2029-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =	HREF BTU/ R FT2SEC
441	.7492-07		0.0175	.2435-01
442	.7487-07			.2436-01
443	.7501-07			.2438-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
443	.30003	.00000	845.00	.4140-01	.3430-01	.3720-01	.1010-02	.8351-03	.9061-03	.6100	6.825	536.9
443	.30000	.50000-01	846.00	.1457	.1198	.1312	.3553-02	.2921-02	.3109-02	2.083	23.07	554.9
443	.30000	.10000+00	847.00	.1356	.1116	.1227	.3306-02	.2720-02	.2993-02	1.947	16.61	552.2
443	.30000	.20003	848.00	.1256	.1035	.1148	.3063-02	.2523-02	.2799-02	1.814	13.00	549.1
443	.30000	.40000	850.00	.7770-01	.6390-01	.7150-01	.1894-02	.1558-02	.1744-02	1.114	7.971	553.0
443	.30000	.50000	851.00	.6300-01	.5180-01	.5740-01	.1537-02	.1264-02	.1425-02	.9030	6.659	553.8
443	.30000	.60000	852.00	.6200-01	.5170-01	.5820-01	.1531-02	.1260-02	.1419-02	.9000	6.657	553.0
443	.30000	.70000	853.00	.5460-01	.4490-01	.5070-01	.1331-02	.1095-02	.1235-02	.7840	5.616	551.6
443	.30000	.80000	854.00	.5930-01	.4880-01	.5540-01	.1446-02	.1190-02	.1350-02	.8540	6.321	550.5
443	.30000	.90000	855.00	.2690-01	.2220-01	.2570-01	.6555-03	.5425-03	.6269-03	.3930	2.931	532.5
443	.30000	.95000	856.00	.1960-01	.1620-01	.1890-01	.4768-03	.3949-03	.4607-03	.2920	2.112	529.4
443	.35000	.00000	857.00	.1019	.8390-01	.9120-01	.2464-02	.2047-02	.2223-02	1.475	12.62	547.0
443	.40000	.00000	858.00	.1731	.1421	.1546	.4220-02	.3464-02	.3769-02	2.453	24.64	559.9
443	.40000	.50000-01	859.00	.3412	.2795	.3012	.8318-02	.6813-02	.7344-02	4.775	33.92	567.1
443	.40000	.10000+00	860.00	.2406	.1974	.2174	.5865-02	.4814-02	.5300-02	3.404	24.26	560.7
443	.40000	.20000	861.00	.1415	.1163	.1303	.3450-02	.2835-02	.3177-02	2.017	14.89	556.4
443	.40000	.30000	862.00	.1189	.9770-01	.1102	.2899-02	.2383-02	.2686-02	1.698	12.13	555.4

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AEDC VKF V41B-57A (OH-498) COLLATION DECK

OH-498 (AEDC V41B-57A) ORBITER LOWER WING

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAU)	H(GTO) BTU/R FT2SEC	H(LTO) BTU/R FT2SEC	H(1AW) BTU/R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
443	40000	40000	853.00	9820-01	8070-01	9100-01	2393-02	1968-02	2219-02	1.405	10.74	554.0
443	40000	60000	864.00	9100-01	7500-01	8420-01	2220-02	1828-02	2054-02	1.314	8.848	519.2
443	40000	70000	865.00	9790-01	8060-01	9080-01	2368-02	1966-02	2214-02	1.411	9.498	530.1
443	40000	75000	866.00	8270-01	6810-01	7700-01	2016-02	1661-02	1877-02	1.194	8.848	548.7
443	40000	85000	867.00	3770-01	3120-01	3570-01	9187-03	7603-03	8704-03	5590	4.246	532.6
443	40000	90000	868.00	2240-01	1860-01	2160-01	5463-03	4524-03	5267-03	3340	2.880	530.1
443	40000	95000	869.00	1700-01	1410-01	1650-01	4148-03	3437-03	4029-03	2540	2.075	528.4
443	50000	00000	871.00	4843	3946	4307	1181-01	9622-02	1050-01	6.587	53.29	583.3
443	50000	50000-01	872.00	3510	2875	3114	8558-02	7009-02	7592-02	4.908	37.26	567.6
443	50000	10000+00	873.00	2133	1753	1944	5200-02	4273-02	4739-02	3.041	22.44	556.3
443	50000	20000	874.00	1457	1199	1346	3553-02	2923-02	3281-02	2.089	14.95	553.1
443	50000	30000	875.00	1115	9180-01	1032	2719-02	2238-02	2516-02	1.603	11.48	551.6
443	50000	40000	876.00	9910-01	8160-01	9190-01	2417-02	1990-02	2240-02	1.427	10.22	550.9
443	50000	50000	877.00	8990-01	7400-01	8340-01	2192-02	1805-02	2033-02	1.297	9.008	549.2
443	50000	60000	878.00	1940-01	1610-01	1810-01	4731-03	3920-03	4407-03	2.900	2.284	528.3
443	50000	70000	879.00	6224	5001	4488	1517-01	1219-01	1338-01	7.866	64.82	622.7
443	60000	00000	880.00	5757	4637	5084	1404-01	1130-01	1239-01	7.364	65.95	616.4
443	60000	25000-01	881.00	6859	5567	5927	1675-01	1357-01	1445-01	9.081	67.88	598.9
443	60000	50000-01	882.00	3758	3363	3333	9162-02	7469-02	9127-02	5.124	48.71	581.8
443	60000	75000-01	883.00	3795	3103	3431	9252-02	7566-02	8366-02	5.265	38.55	572.1
443	60000	10000+00	884.00	2901	2382	2653	7072-02	5908-02	6469-02	4.118	29.37	558.8
443	60000	20000	885.00	1807	1487	1672	4405-02	3626-02	4077-02	2.602	18.64	550.4
443	60000	30000	886.00	1375	1295	1456	3838-02	2761-02	3531-02	2.257	15.16	553.1
443	60000	40000	887.00	1174	1133	1272	3356-02	2761-02	3102-02	1.976	13.70	552.2
443	60000	50000	888.00	1209	9950-01	1120	2346-02	2426-02	2732-02	1.741	12.08	550.2
443	60000	60000	889.00	1080	8900-01	1002	2634-02	2170-02	2444-02	1.562	10.86	547.9
443	60000	80000	891.00	2820-01	2340-01	2680-01	6887-03	5704-03	6526-03	4.210	3.150	529.6
443	60000	85000	892.00	2370-01	1960-01	2260-01	5777-03	4787-03	5501-03	3540	2.609	527.9
443	60000	90000	893.00	2010-01	1660-01	1940-01	4892-03	4056-03	4727-03	3010	2.293	526.1
443	65000	00000	894.00	1450-01	1210-01	1410-01	3544-03	2939-03	3443-03	2180	1.66	525.5
443	70000	30000	895.00	3633	2959	3230	8857-02	7214-02	7874-02	4.929	41.39	584.6
443	70000	50000	895.00	1517	1244	1354	5699-02	3034-02	3302-02	2.141	27.80	562.3
443	70000	75000-01	897.00	2458	2026	2144	6017-02	4940-02	5227-02	3.500	32.24	559.4
443	70000	10000+00	898.00	2579	2120	2355	6287-02	5169-02	5742-02	3.685	25.51	555.0
443	70000	20000	899.00	2088	1720	1927	5092-02	4195-02	4699-02	3.018	18.63	548.5
443	70000	30000	900.00	1657	1365	1535	4039-02	3329-02	3745-02	2.399	14.82	547.2
443	70000	40000	901.00	1462	1204	1355	3563-02	2936-02	3303-02	2.115	13.44	547.6
443	70000	50000	902.00	1391	1146	1290	3391-02	2793-02	3146-02	2.010	12.76	548.4
443	70000	60000	903.00	2020-01	1670-01	1950-01	4925-03	4084-03	4749-03	3030	2.199	525.5
443	75000	00000	904.00	2275	1872	2035	5548-02	4563-02	4961-02	3.261	25.83	553.2
443	75000	25000-01	905.00	3282	2636	2840	8003-02	6550-02	6925-02	4.574	35.93	559.6
443	75000	50000-01	906.00	3398	2789	3045	8284-02	6801-02	7423-02	4.817	35.49	559.6
443	75000	10000+00	507.00	2899	2382	2547	7069-02	5808-02	6454-02	4.130	28.57	556.9

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R -12SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
443	.75000	.20000	908.00	.2015	.1660	.1861	.4913-02	.4046-02	.4536-02	2.910	20.21	548.7
443	.75000	.30000	909.00	.1689	.1392	.1563	.4117-02	.3354-02	.3811-02	2.452	15.60	545.4
443	.75000	.40000	910.00	.1474	.1215	.1365	.3595-02	.2963-02	.3329-02	2.139	14.00	546.1
443	.75000	.60000	911.00	.1332	.1098	.1236	.3247-02	.2678-02	.3014-02	1.936	13.07	544.9
443	.75000	.80000	912.00	.2770-01	.2300-01	.2630-01	.6763-03	.5605-03	.6407-03	.4150	3.452	527.6
443	.75000	.90000	913.00	.2010-01	.1670-01	.1940-01	.4898-03	.4063-03	.4721-03	.3020	2.228	524.1
443	.75000	.95000	914.00	.1400-01	.1160-01	.1360-01	.3413-03	.2831-03	.3311-03	.2110	1.606	524.1
443	.80000	.00000	915.00	.2601	.2129	.2319	.6341-02	.5191-02	.5854-02	3.629	33.27	568.8
443	.80000	.20000	916.00	.2003	.1651	.1851	.4884-02	.4025-02	.4513-02	2.900	20.15	547.4
443	.80000	.40000	917.00	.1497	.1233	.1384	.3649-02	.3007-02	.3375-02	2.169	15.56	546.8
443	.80000	.60000	918.00	.1850-01	.1530-01	.1780-01	.4506-03	.3737-03	.4341-03	.2780	2.050	524.5
443	.85000	.00000	919.00	.2943	.2412	.2626	.7175-02	.5880-02	.6402-02	4.130	32.51	565.5
443	.85000	.20000	920.00	.2088	.1720	.1925	.5091-02	.4194-02	.4694-02	3.019	21.65	548.1
443	.85000	.40000	921.00	.1670	.1376	.1543	.4072-02	.3356-02	.3763-02	2.418	17.93	547.2
443	.90000	.00000	922.00	.1708	.1407	.1529	.4164-02	.3431-02	.3727-02	2.469	19.60	548.3
443	.90000	.10000+00	923.00	.2221	.1829	.2036	.5414-02	.4460-02	.4965-02	3.208	23.77	548.6
443	.90000	.30000	925.00	.1612	.1328	.1491	.4774-02	.3933-02	.4406-02	2.829	20.29	548.5
443	.90000	.50000	925.00	.1612	.1328	.1491	.3929-02	.3239-02	.3635-02	2.337	16.78	546.3
443	.90000	.80000	927.00	.3390-01	.2810-01	.3200-01	.8259-03	.6847-03	.7812-03	.5080	4.004	526.4
443	.90000	.90000	928.00	.1870-01	.1550-01	.1800-01	.4556-03	.3779-03	.4398-03	.2810	2.257	524.5
443	.95000	.00000	929.00	.9050-01	.7490-01	.8120-01	.2207-02	.1826-02	.1981-02	1.342	10.02	533.2
443	.95000	.50000-01	930.00	.1494	.1233	.1346	.3643-02	.3007-02	.3281-02	2.185	15.73	541.2
443	.95000	.10000+00	931.00	.1647	.1359	.1504	.4015-02	.3312-02	.3666-02	2.399	17.82	543.7
443	.95000	.20000	932.00	.1892	.1560	.1745	.4613-02	.3863-02	.4294-02	2.747	19.11	545.7
443	.95000	.30000	933.00	.1879	.1548	.1736	.4581-02	.3775-02	.4233-02	2.723	19.54	546.7
443	.95000	.50000	934.00	.1347	.1111	.1248	.3285-02	.2709-02	.3043-02	1.960	14.56	544.3
443	.95000	.70000	935.00	.3460-01	.2870-01	.3240-01	.8435-03	.6930-03	.7894-03	.5180	3.943	527.4
443	.95000	.80000	936.00	.2820-01	.2340-01	.2690-01	.6886-03	.5710-03	.6556-03	.4240	3.180	525.2
443	.95000	.90000	937.00	.1810-01	.1500-01	.1750-01	.4419-03	.3666-03	.4262-03	.2730	2.081	523.8

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LOWER WING

OH-49B (AEDC V41B-57A) ORBITER LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -30.00 SPOBRK = 40.00
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN' X1	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
435	7.980	1.99	40.07	.0000	180.0	431.4	.4500-01	1296.	94.30	2.002	3798.	.3994-04
436	7.980	1.987	40.09	.0000	180.0	429.9	.4500-01	1297.	94.50	1.995	3800.	.3975-04
437	7.980	1.990	40.07	.0000	180.0	429.8	.4500-01	1296.	94.30	1.995	3798.	.3980-04

RUN NUMBER	MU	HREF	ST FR
435	LB-SEC /FT2	BTU/ R FT2SEC	R = 0.0175
436	.7596-07	.3473-01	.2884-01
437	.7604-07	.3468-01	.2890-01
437	.7594-07	.3466-01	.2889-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
437	.30000	.00000	845.00	.4140-01	.3430-01	.3720-01	.1436-02	.1189-02	.1289-02	.8950	9.976	542.7
437	.30000	.50000-01	846.00	.1410	.1157	.1268	.4886-02	.4011-02	.4396-02	2.902	31.87	572.3
437	.30000	.10000+00	847.00	.1286	.1058	.1164	.4458-02	.3667-02	.4035-02	2.677	22.68	565.7
437	.30000	.20000	848.00	.1219	.1003	.1113	.4224-02	.3478-02	.3860-02	2.550	18.15	562.6
437	.30000	.40000	850.00	.7150-01	.5870-01	.6570-01	.2477-02	.2035-02	.2278-02	1.475	10.46	570.9
437	.30000	.50000	851.00	.6950-01	.5700-01	.6440-01	.2410-02	.1978-02	.2232-02	1.429	10.46	573.2
437	.30000	.60000	852.00	.7450-01	.6110-01	.6900-01	.2582-02	.2118-02	.2390-02	1.530	11.19	573.5
437	.30000	.70000	853.00	.8220-01	.6740-01	.7620-01	.2849-02	.2338-02	.2642-02	1.688	11.95	573.7
437	.30000	.80000	854.00	.1146	.9410-01	.1069	.3974-02	.3263-02	.3705-02	2.361	17.29	572.0
437	.30000	.90000	855.00	.4560-01	.3790-01	.4360-01	.1581-02	.1310-02	.1513-02	.9910	7.257	539.3
437	.30000	.95000	856.00	.3490-01	.2900-01	.3370-01	.1210-02	.1004-02	.1169-02	.7650	5.530	533.5
437	.35000	.00000	857.00	.1029	.8490-01	.5220-01	.3568-02	.2842-02	.3195-02	2.173	18.50	557.0
437	.40000	.00000	858.00	.1694	.1389	.1511	.5871-02	.4813-02	.5239-02	3.459	34.46	576.9
437	.40000	.50000-01	859.00	.3383	.2762	.2980	.1173-01	.9573-02	.1033-01	6.757	47.46	589.9
437	.40000	.10000+00	860.00	.2373	.1942	.2141	.8225-02	.6732-02	.7422-02	4.807	33.90	581.7
437	.40000	.20000	861.00	.1456	.1195	.1340	.5048-02	.4142-02	.4646-02	2.988	21.86	574.2
437	.40000	.30000	862.00	.1228	.1008	.1137	.4258-02	.3493-02	.3942-02	2.519	17.83	574.5

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OH-49B (AEDC V41B-57A) ORBITER LOWER WING

(RVIL45)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(ISO) BTU/ R FT2SEC	H(ISO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
437	40000	40000	863.00	.1048	.8600-01	.9710-01	.3633-02	.2979-02	.3355-02	.3355-02	2.145	16.22	575.7
437	40000	.6000	864.00	.1056	.8670-01	.9760-01	.3559-02	.3005-02	.3383-02	.3383-02	2.182	14.54	569.9
437	40000	.70000	865.00	.1401	.1150	.1297	.4856-02	.3988-02	.4498-02	.4498-02	2.891	19.26	570.8
437	40000	.75000	866.00	.1269	.1042	.1180	.4398-02	.3514-02	.4091-02	.4091-02	2.625	19.24	569.4
437	40000	.85000	867.00	.5370-01	.4450-01	.5090-01	.1863-02	.1544-02	.1766-02	.1766-02	1.168	8.838	539.4
437	40000	.90000	868.00	.3230-01	.2680-01	.3110-01	.1113-02	.9290-03	.1080-02	.1080-02	7.080	6.094	534.0
437	40000	.95000	869.00	.2390-01	.1980-01	.2320-01	.8274-03	.6872-03	.8041-03	.8041-03	5.250	4.285	531.0
437	50000	.00000	871.00	.4794	.3887	.4250	.1862-01	.1347-01	.1473-01	.1473-01	9.228	73.65	610.9
437	50000	.50000-01	872.00	.3385	.2761	.2996	.1173-01	.9570-02	.1038-01	.1038-01	6.721	50.37	593.4
437	50000	.10000+00	873.00	.2151	.1763	.1958	.7456-02	.6112-02	.6787-02	.6787-02	4.394	32.10	576.9
437	50000	.20000	874.00	.1157	.1197	.1344	.5049-02	.4148-02	.4659-02	.4659-02	3.012	21.37	569.7
437	50000	.30000	875.00	.1182	.9710-01	.1093	.4097-02	.3307-02	.3789-02	.3789-02	2.450	17.39	568.1
437	50000	.40000	876.00	.1018	.6370-01	.9430-01	.3530-02	.2900-02	.3268-02	.3268-02	2.104	14.92	570.3
437	50000	.50000	877.00	.1018	.7840-01	.8840-01	.3308-02	.2718-02	.3066-02	.3066-02	1.975	13.57	569.2
437	50000	.60000	878.00	.9540-01	.2790-01	.2600-01	.9664-03	.8024-03	.9010-03	.9010-03	6.130	4.818	532.1
437	50000	.70000	879.00	.6103	.4852	.5347	.2116-01	.1682-01	.1854-01	.1854-01	10.63	85.91	663.6
437	50000	.80000	880.00	.5802	.4626	.5092	.2011-01	.1604-01	.1765-01	.1765-01	10.25	90.05	656.4
437	60000	.25000-01	881.00	.6937	.5578	.5952	.2405-01	.1934-01	.2063-01	.2063-01	12.79	93.99	634.2
437	60000	.50000-01	882.00	.3837	.3110	.3392	.1330-01	.1078-01	.1176-01	.1176-01	7.368	68.99	612.2
437	60000	.75000-01	883.00	.3804	.3097	.3432	.1319-01	.1073-01	.1190-01	.1190-01	7.480	54.05	598.9
437	60000	.10000+00	884.00	.2886	.2361	.2635	.1000-01	.8186-02	.9136-02	.9136-02	5.839	41.16	582.4
437	60000	.20000	885.00	.1810	.1487	.1674	.6276-02	.5155-02	.5803-02	.5803-02	3.739	26.52	570.4
437	60000	.30000	886.00	.1574	.1292	.1455	.5455-02	.4480-02	.5044-02	.5044-02	3.246	21.62	571.1
437	60000	.40000	887.00	.1348	.1107	.1246	.4574-02	.3839-02	.4318-02	.4318-02	2.782	19.11	571.1
437	60000	.50000	888.00	.1249	.1027	.1157	.4329-02	.3558-02	.4012-02	.4012-02	2.590	17.81	568.0
437	60000	.60000	889.00	.1152	.9480-01	.1068	.3994-02	.3286-02	.3704-02	.3704-02	2.401	16.54	565.0
437	60000	.80000	891.00	.3360-01	.2790-01	.3190-01	.1166-02	.9676-03	.1106-02	.1106-02	7.730	5.496	534.6
437	60000	.90000	892.00	.2970-01	.2470-01	.2830-01	.1030-02	.8551-03	.9812-03	.9812-03	6.540	4.805	531.3
437	60000	.95000	893.00	.2420-01	.2010-01	.2340-01	.0380-03	.6966-03	.8103-03	.8103-03	5.350	4.075	527.6
437	60000	.00000	894.00	.2200-01	.1830-01	.2140-01	.7617-03	.6335-03	.7405-03	.7405-03	4.870	3.714	526.3
437	60000	.00000	895.00	.3538	.2868	.3136	.226-01	.9943-02	.1087-01	.1087-01	6.811	56.45	610.7
437	70000	.00000	896.00	.1554	.1273	.1386	.5388-02	.4413-02	.4805-02	.4805-02	3.159	40.66	579.9
437	70000	.25000-01	897.00	.2447	.2006	.2124	.8482-02	.6954-02	.7361-02	.7361-02	5.003	45.69	576.3
437	70000	.10000+00	898.00	.2587	.2123	.2361	.8968-02	.7350-02	.8184-02	.8184-02	5.318	36.48	573.2
437	70000	.20000	899.00	.2058	.1692	.1898	.7135-02	.5884-02	.6578-02	.6578-02	4.265	26.08	568.3
437	70000	.30000	900.00	.1711	.1407	.1585	.5930-02	.4879-02	.5455-02	.5455-02	3.565	21.83	565.0
437	70000	.40000	901.00	.1508	.1241	.1397	.5229-02	.4301-02	.4844-02	.4844-02	3.139	19.77	565.7
437	70000	.60000	902.00	.1468	.1208	.1362	.5090-02	.4187-02	.4720-02	.4720-02	3.058	19.25	565.4
437	70000	.90000	903.00	.2520-01	.2030-01	.2430-01	.8733-03	.7259-03	.8426-03	.8426-03	5.580	4.040	527.7
437	75000	.00000	904.00	.2270	.1867	.2030	.7870-02	.6472-02	.7037-02	.7037-02	4.721	37.15	566.3
437	75000	.25000-01	905.00	.3271	.2670	.2825	.1134-01	.9256-02	.9793-02	.9793-02	6.530	50.77	590.3
437	75000	.50000-01	906.00	.3353	.2748	.3002	.1162-01	.9527-02	.1041-01	.1041-01	6.841	49.95	577.6
437	75000	.10000+00	907.00	.2903	.2381	.2648	.1006-01	.8253-02	.9181-02	.9181-02	5.944	40.74	575.5

AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) ORBITER LOWER WING

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RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1(9TO) BTU/ R F12SEC	H1(TO) BTU/ R F12SEC	H1(TAW) BTU/ R F12SEC	QDOT BTU/ F12SEC	DTWOT DEG. R /SEC	TW DEG. R
437	.75000	.20000	908.00	.2012	.1655	.1857	.6976-02	.5735-02	.6437-02	4.179	28.76	567.0
437	.75000	.30000	909.00	.1638	.1348	.1515	.5677-02	.4673-02	.5252-02	3.423	21.58	563.1
437	.75000	.40000	910.00	.1425	.1172	.1318	.4339-02	.4063-02	.4570-02	2.967	19.23	565.5
437	.75000	.60000	911.00	.1356	.1117	.1258	.4700-02	.3872-02	.4361-02	2.846	19.06	560.6
437	.75000	.80000	912.00	.3180-01	.2650-01	.3020-01	.1104-02	.9170-03	.1047-02	.7010	5.826	530.8
437	.75000	.90000	913.00	.2450-01	.2040-01	.2370-01	.8509-03	.7078-03	.8208-03	.5450	4.019	525.5
437	.75000	.95000	914.00	.1850-01	.1540-01	.1790-01	.6407-03	.5331-03	.6219-03	.4110	3.139	524.0
437	.80000	.00000	915.00	.2678	.2187	.2384	.9281-02	.7580-02	.8264-02	5.358	48.63	588.9
437	.80000	.20000	916.00	.2045	.1681	.1888	.7090-02	.5827-02	.6544-02	4.236	29.13	568.6
437	.80000	.40000	917.00	.1475	.1213	.1363	.5115-02	.4204-02	.4726-02	3.060	21.73	567.9
437	.80000	.60000	918.00	.2370-01	.1970-01	.2290-01	.8220-03	.6837-03	.7924-03	5.260	3.882	525.6
437	.80000	.80000	919.00	.3043	.2489	.2712	.1055-01	.8628-02	.9401-02	6.144	47.92	583.7
437	.85000	.00000	920.00	.2093	.1720	.1927	.7255-02	.5962-02	.6681-02	4.335	30.77	568.6
437	.85000	.20000	921.00	.1696	.1385	.1556	.5843-02	.4800-02	.5392-02	3.485	25.55	569.8
437	.90000	.00000	922.00	.1691	.1394	.1514	.5863-02	.4831-02	.5248-02	3.557	28.08	559.5
437	.90000	.10000+00	923.00	.2328	.1916	.2134	.8069-02	.6841-02	.7397-02	4.863	35.76	563.4
437	.90000	.30000	925.00	.1909	.1569	.1760	.6617-02	.5433-02	.6101-02	3.959	28.12	567.8
437	.90000	.50000	926.00	.1640	.1348	.1515	.5685-02	.4673-02	.5253-02	3.401	24.15	567.9
437	.90000	.70000	927.00	.2880-01	.2390-01	.2720-01	.9370-03	.8256-03	.9439-03	6.360	5.010	528.4
437	.90000	.90000	928.00	.2020-01	.1680-01	.1960-01	.7018-03	.5839-03	.6780-03	4.500	3.617	524.8
437	.95000	.00000	929.00	.9110-01	.7550-01	.8190-01	.3158-02	.2619-02	.2839-02	1.986	14.80	537.2
437	.95000	.50000-01	930.00	.1468	.1214	.1324	.5089-02	.4207-02	.4588-02	3.146	22.56	548.0
437	.95000	.10000+00	931.00	.1671	.1379	.1526	.5793-02	.4760-02	.5290-02	3.541	26.15	554.9
437	.95000	.20000	932.00	.1873	.1543	.1727	.6492-02	.5348-02	.5986-02	3.934	27.16	560.2
437	.95000	.30000	933.00	.1844	.1518	.1703	.6393-02	.5261-02	.5904-02	3.849	27.38	564.1
437	.95000	.40000	934.00	.1307	.1076	.1210	.4529-02	.3731-02	.4194-02	2.744	20.21	560.3
437	.95000	.50000	935.00	.3890-01	.3230-01	.3540-01	.1347-02	.1120-02	.1262-02	.8590	6.536	528.7
437	.95000	.70000	936.00	.3140-01	.2610-01	.2990-01	.1088-02	.9046-03	.1036-02	.6970	5.222	525.6
437	.95000	.80000	937.00	.2000-01	.1670-01	.1930-01	.6944-03	.5779-03	.6702-03	.4460	3.406	523.4

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OH-498 (AEDC V41B-57A) ORBITER LOWER WING

(RVIL45)

LOWER WING

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -30.00 SPOBRK = 40.00
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
429	8.000	3.732	40.10	.0000	180.0	859.5	.8800-01	1354.	98.10	3.944	3882.	.7538-04
430	8.000	3.714	40.15	.0000	180.0	859.2	.8800-01	1350.	97.90	3.943	3878.	.7545-04
431	8.000	3.718	40.07	.0000	180.0	858.8	.8800-01	1349.	97.80	3.941	3876.	.7549-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
429	.7897-07	.4912-01		0.0175
430	.7873-07	.4909-01		.2109-01
431	.7871-07	.4907-01		.2106-01

TEST DATA

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
431	.30000	.00000	845.00	.4540-01	.3760-01	.4080-01	.2226-02	.1846-02	.2000-02	1.461	16.16	558.0
431	.30000	.50000-01	846.00	.1340	.1096	.1203	.6577-02	.5378-02	.5904-02	3.979	42.90	609.3
431	.30000	.10000+00	847.00	.1191	.9770-01	.1076	.5843-02	.4793-02	.5282-02	3.599	30.02	598.2
431	.30000	.20000	848.00	.1208	.9330-01	.1103	.5933-02	.4873-02	.5417-02	3.689	25.88	592.1
431	.30000	.40000	850.00	.9330-01	.7630-01	.8570-01	.4578-02	.3746-02	.4204-02	2.781	19.37	606.8
431	.30000	.50000	851.00	.1524	.1243	.1409	.7430-02	.6101-02	.6912-02	4.464	31.96	617.4
431	.30000	.60000	852.00	.2451	.1934	.2261	.1203-01	.9784-02	.1110-01	7.078	50.47	625.7
431	.30000	.70000	853.00	.3186	.2583	.2941	.1639-01	.1268-01	.1443-01	9.035	62.03	636.4
431	.30000	.80000	854.00	.3340	.2706	.3100	.1639-01	.1328-01	.1521-01	9.436	66.88	638.5
431	.30000	.90000	855.00	.6420-01	.5320-01	.6140-01	.3150-02	.2611-02	.3014-02	2.057	14.89	561.3
431	.35000	.00000	856.00	.4650-01	.3860-01	.4500-01	.2282-02	.1895-02	.2206-02	1.510	10.81	552.3
431	.40000	.00000	857.00	.1059	.8730-01	.9480-01	.5193-02	.4284-02	.4654-02	3.288	27.64	581.7
431	.40000	.00000	858.00	.1760	.1436	.1566	.8634-02	.7047-02	.7685-02	5.171	50.54	615.3
431	.40000	.50000-01	859.00	.3409	.2762	.2989	.1673-01	.1355-01	.1466-01	9.625	66.01	638.8
431	.40000	.10000+00	860.00	.2544	.2068	.2287	.1248-01	.1015-01	.1122-01	7.325	50.51	627.3
431	.40000	.20000	861.00	.1780	.1452	.1634	.0735-02	.7125-02	.8019-02	5.217	37.37	617.0
431	.40000	.30000	862.00	.1887	.1537	.1742	.9257-02	.7542-02	.8546-02	5.492	37.99	620.9

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OH-498 (AEDC V41B-57A) OFBITER LOWER WING

(RVIL45)

RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(TAN) BTU/ R F12SEC	QOOT BTU/ R F12SEC	DTWOT DEG. R /SEC	TH DEG. R
431	40000	40000	863.00	.2316	.1884	.2137	.1136-01	.9243-02	.1049-01	6.686	49.32	625.8
431	40000	60000	864.00	.3615	.2939	.3327	.1774-01	.1442-01	.1632-01	10.41	67.44	627.3
431	40000	70000	865.00	.3983	.3227	.3665	.1954-01	.1584-01	.1800-01	11.26	72.57	638.1
431	40000	75000	866.00	.3622	.2937	.3351	.1777-01	.1441-01	.1644-01	10.27	72.91	636.1
431	40000	85000	867.00	.6230-01	.5160-01	.5900-01	.3055-02	.2532-02	.2896-02	1.996	14.94	560.9
431	40000	90000	868.00	.4010-01	.3330-01	.3870-01	.1969-02	.1635-02	.1899-02	1.301	11.10	553.2
431	40000	95000	869.00	.4120-01	.3420-01	.4000-01	.2021-02	.1679-02	.1964-02	1.340	10.81	551.3
431	50000	00000	871.00	.4689	.3759	.4129	.2301-01	.1844-01	.2026-01	12.53	97.26	663.5
431	50000	00000-01	872.00	.3610	.2914	.3174	.1771-01	.1430-01	.1557-01	10.00	72.96	649.4
431	50000	10000+00	873.00	.2430	.1978	.2204	.1192-01	.9707-02	.1081-01	7.045	50.30	623.3
431	50000	20000	874.00	.1917	.1566	.1765	.9408-02	.7682-02	.8659-02	5.650	39.22	613.7
431	50000	30000	875.00	.1854	.1521	.1719	.9145-02	.7466-02	.8435-02	5.485	38.06	614.4
431	50000	40000	876.00	.2114	.1723	.1951	.1037-01	.8456-02	.9571-02	6.177	42.78	618.6
431	50000	60000	877.00	.3047	.2479	.2813	.1435-01	.1216-01	.1381-01	8.790	58.75	626.3
431	50000	80000	878.00	.4830-01	.4010-01	.4510-01	.2371-02	.1969-02	.2211-02	1.567	12.19	553.5
431	55000	00000	879.00	.5678	.4417	.4909	.2786-01	.2167-01	.2409-01	13.17	102.6	741.4
431	60000	00000	880.00	.5636	.4395	.4881	.2766-01	.2157-01	.2393-01	13.22	111.8	736.3
431	60000	25000-01	881.00	.6783	.5335	.5727	.3328-01	.2618-01	.2810-01	16.54	116.9	717.2
431	60000	50000-01	882.00	.4008	.3191	.3504	.1957-01	.1566-01	.1720-01	10.37	93.68	686.9
431	60000	75000-01	883.00	.4084	.3276	.3536	.2004-01	.1608-01	.1794-01	10.97	76.68	666.9
431	60000	10000+00	884.00	.3193	.2586	.2901	.1567-01	.1269-01	.1424-01	9.005	61.74	639.4
431	60000	20000	885.00	.2171	.1771	.2002	.1065-01	.8689-02	.9821-02	6.360	44.08	617.1
431	60000	30000	886.00	.2163	.1763	.1993	.1061-01	.8649-02	.9781-02	6.309	41.03	619.6
431	60000	40000	887.00	.2111	.1720	.1943	.1036-01	.8438-02	.9534-02	6.141	41.14	621.3
431	60000	50000	888.00	.2252	.1837	.2080	.1105-01	.9013-02	.1021-01	6.596	44.28	617.3
431	60000	60000	889.00	.2390	.1951	.2209	.1173-01	.9574-02	.1084-01	7.032	47.27	614.6
431	60000	80000	891.00	.4870-01	.4050-01	.4620-01	.2391-02	.1926-02	.2268-02	1.581	11.69	552.9
431	60000	85000	892.00	.4030-01	.3350-01	.3840-01	.1977-02	.1644-02	.1885-02	1.316	9.586	548.9
431	60000	90000	893.00	.3380-01	.2810-01	.3270-01	.1658-02	.1380-02	.1604-02	1.111	8.385	544.5
431	60000	95000	894.00	.3550-01	.2960-01	.3450-01	.1744-02	.1451-02	.1695-02	1.167	8.810	544.9
431	65000	00000	895.00	.3443	.2767	.3036	.1689-01	.1358-01	.1490-01	9.322	75.36	662.4
431	70000	00000	896.00	.1612	.1313	.1433	.7909-02	.6441-02	.7030-02	4.681	59.01	622.3
431	70000	25000-01	897.00	.2563	.2035	.2257	.1258-01	.1023-01	.1085-01	7.396	65.92	626.1
431	70000	10000+00	898.00	.2783	.2260	.2527	.1356-01	.1109-01	.1240-01	7.950	53.07	631.4
431	70000	20000	899.00	.2460	.2006	.2261	.1207-01	.9845-02	.1109-01	7.196	42.92	618.2
431	70000	30000	900.00	.2097	.1715	.1938	.1029-01	.8414-02	.9511-02	6.219	37.24	609.9
431	70000	40000	901.00	.2032	.1661	.1877	.9970-02	.8148-02	.9212-02	6.014	37.03	610.9
431	70000	60000	902.00	.2318	.1892	.2143	.1138-01	.9285-02	.1051-01	6.816	41.89	615.0
431	70000	90000	903.00	.3370-01	.3300-01	.3830-01	.1947-02	.1620-02	.1879-02	1.300	9.333	546.4
431	75000	00000	904.00	.2291	.1878	.2044	.1124-01	.9214-02	.1003-01	6.896	53.34	600.6
431	75000	25000-01	905.00	.3338	.2698	.2862	.1638-01	.1324-01	.1404-01	9.318	70.53	645.3
431	75000	50000-01	906.00	.3393	.2749	.3018	.1665-01	.1349-01	.1481-01	9.587	67.95	638.4
431	75000	10000+00	907.00	.3093	.2507	.2806	.1518-01	.1230-01	.1377-01	8.748	58.15	637.9

DATE 25 AUG 76				AEDC VKF V41B-57A (OH-49B) COLLATION DECK				OH-49B (AEDC V41B-57A) ORBITER LOWER WING				PAGE :358			
								(RV1L45)							
RUN NUMBER	2Y/B	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QOOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R			
431	.75000	.20000	908.00	.2354	.1918	.2164	.1155-01	.9414-02	.1062-01	6.859	45.98	620.5			
431	.75000	.30000	909.00	.2052	.1678	.1893	.1007-01	.8235-02	.9290-02	6.099	37.60	608.4			
431	.75000	.40000	910.00	.1968	.1608	.1815	.9654-02	.7889-02	.8908-02	5.822	36.90	611.1			
431	.75000	.60000	911.00	.1944	.1592	.1799	.9539-02	.7809-02	.8828-02	5.810	36.04	605.2			
431	.75000	.80000	912.00	.4390-01	.3650-01	.4170-01	.2156-02	.1792-02	.2045-02	1.434	11.81	548.9			
431	.75000	.90000	913.00	.3270-01	.2730-01	.3160-01	.1607-02	.1338-02	.1550-02	1.081	7.901	541.8			
431	.75000	.95000	914.00	.2720-01	.2260-01	.2640-01	.1333-02	.1111-02	.1294-02	8.980	6.789	540.9			
431	.80000	.00000	915.00	.2724	.2203	.2411	.1337-01	.1081-01	.1183-01	7.634	67.49	643.0			
431	.80000	.20000	916.00	.2478	.2017	.2278	.1216-01	.9898-02	.1118-01	7.184	48.08	623.4			
431	.80000	.40000	917.00	.1961	.1599	.1806	.9632-02	.7847-02	.8861-02	5.740	39.78	617.6			
431	.80000	.60000	918.00	.3370-01	.2810-01	.3550-01	.1653-02	.1376-02	.1594-02	1.111	8.119	542.3			
431	.85000	.00000	919.00	.3093	.2509	.2742	.1517-01	.1231-01	.1346-01	8.797	66.93	634.5			
431	.85000	.20000	920.00	.2535	.2060	.2323	.1244-01	.1011-01	.1140-01	7.279	50.15	629.1			
431	.85000	.40000	921.00	.2193	.1784	.2015	.1076-01	.8753-02	.9886-02	6.335	45.18	625.4			
431	.90000	.00000	922.00	.1744	.1433	.1558	.8558-02	.7030-02	.7647-02	5.313	41.25	593.4			
431	.90000	.10000+00	923.00	.2530	.2064	.2310	.1242-01	.1013-01	.1133-01	7.419	53.14	616.7			
431	.90000	.30000	925.00	.2402	.1952	.2204	.1179-01	.9578-02	.1081-01	6.901	47.56	628.6			
431	.90000	.50000	926.00	.2198	.1789	.2022	.1078-01	.8779-02	.9924-02	6.370	44.01	623.6			
431	.90000	.80000	927.00	.3840-01	.3190-01	.3630-01	.1893-02	.1567-02	.1783-02	1.262	9.664	544.0			
431	.90000	.90000	928.00	.2630-01	.2190-01	.2540-01	.1289-02	.1074-02	.1246-02	6.680	6.920	540.7			
431	.95000	.00000	929.00	.1017	.8440-01	.9140-01	.4889-02	.4140-02	.4484-02	3.280	24.21	556.7			
431	.95000	.50000-01	930.00	.1670	.1377	.1503	.8196-02	.6757-02	.7377-02	5.192	36.63	580.8			
431	.95000	.10000+00	931.00	.1835	.1506	.1671	.9003-02	.7388-02	.8199-02	5.555	40.18	597.2			
431	.95000	.20000	932.00	.2115	.1728	.1942	.1038-01	.8870-02	.9531-02	6.249	42.06	612.0			
431	.95000	.30000	933.00	.2219	.1808	.2040	.1089-01	.8970-02	.1001-01	6.453	44.62	621.6			
431	.95000	.50000	934.00	.1696	.1375	.1555	.8272-02	.6759-02	.7633-02	4.988	35.82	611.2			
431	.95000	.70000	935.00	.4630-01	.3590-01	.4380-01	.2295-02	.1910-02	.2151-02	1.534	11.57	546.0			
431	.95000	.80000	936.00	.3820-01	.3180-01	.3640-01	.1874-02	.1561-02	.1786-02	1.260	9.368	541.7			
431	.95000	.90000	937.00	.2550-01	.2130-01	.2460-01	.1252-02	.1043-02	.1208-02	.8460	6.407	538.4			

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1359

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAI

(RV1T01)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPDRBK = .0300
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
166	7.900	20.01	.0000	180.0	109.3	.1200-01	1251.	92.80	.5310	3729.	.1098-04
167	7.900	20.02	.0000	180.0	110.3	.1200-01	1252.	92.90	.5350	3731.	.1107-04
168	7.900	20.03	.0000	180.0	108.6	.1200-01	1255.	93.10	.5270	3734.	.1088-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
166	.7472-07		.1777-01	0.0175
167	.7478-07		.1785-01	.5480-01
168	.7493-07		.1772-01	.5507-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
167	.29900	.10000+00	269.00	.2690-01	.2230-01	.2690-01	.4810-03	.3973-03	.4810-03	.2860	2.366	532.2
167	.53200	.00000	274.00	.1323	.1083	.1323	.2361-02	.1944-02	.2361-02	1.379	10.33	543.1
167	.53200	.10000+00	275.00	.3380-01	.2790-01	.3380-01	.6033-03	.4985-03	.6033-03	.3590	2.975	531.3
167	.53200	.50000	277.00	.9400-02	.7700-02	.9400-02	.1670-03	.1381-03	.1670-03	.1000+00	.8010	529.4
167	.53200	.70000	278.00	.6200-02	.5100-02	.6200-02	.1101-03	.9106-04	.1101-03	.6600-01	.7360	529.1
167	.53200	.90000	279.00	.6200-02	.5200-02	.6200-02	.1113-03	.9204-04	.1113-03	.6700-01	.6580	529.1
167	.76500	.10000+00	281.00	.5420-01	.4470-01	.5420-01	.9671-03	.7987-03	.9671-03	.5740	4.747	533.3
167	.76500	.30000	282.00	.3520-01	.2910-01	.3520-01	.6285-03	.5192-03	.6285-03	.3740	3.095	531.8
167	.76500	.50000	283.00	.2570-01	.2120-01	.2570-01	.4584-03	.3787-03	.4584-03	.2730	2.335	531.3
167	.76500	.70000	284.00	.1000-01	.8300-02	.1000-01	.1783-03	.1473-03	.1783-03	.1060	1.137	530.5
167	.90500	.10000+00	287.00	.3830-01	.3160-01	.3830-01	.6840-03	.5649-03	.6840-03	.4060	3.467	533.6
167	.90500	.50000	288.00	.1560-01	.1230-01	.1560-01	.2781-03	.2298-03	.2781-03	.1660	1.418	531.0

DATE 25 AUG 76

AEDC VKI V41B-57A (OH-498) COLLATION DECK

PAGE 1360

(RVIT01)

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
139	7.940	1.009	20.02	.0000	180.0	209.1	.2200-01	1272.	93.50	.9920	3762.	.2018-04
140	7.940	1.028	20.03	.0000	180.0	211.6	.2300-01	1266.	93.10	1.004	3753.	.2051-04
141	7.940	1.027	20.03	.0000	180.0	211.1	.2300-01	1265.	92.90	1.002	3751.	.2049-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
139	.7526-07	.2437-01		0.0175
140	.7492-07	.2450-01		.4049-01
141	.7483-07	.2446-01		.4014-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
140	.29900	.10000+00	269.00	.3170-01	.2620-01	.3170-01	.7771-03	.6420-03	.7771-03	.4680	3.853	538.2
140	.29900	.50000	271.00	.8300-02	.6800-02	.8300-02	.2029-03	.1678-03	.2029-03	.1230	1.014	534.7
140	.53200	.00000	274.00	.1462	.1780	.1780	.4362-02	.3582-02	.4362-02	2.537	18.83	558.2
140	.53200	.10000+00	275.00	.4540-01	.3750-01	.4540-01	.1113-02	.9188-03	.1113-02	.6680	5.504	539.1
140	.53200	.50000	277.00	.9500-02	.7900-02	.9500-02	.2346-03	.1939-03	.2346-03	.1420	1.133	535.6
140	.53200	.70000	278.00	.3500-02	.2900-02	.3500-02	.8508-04	.7032-04	.8508-04	.5100-01	.5720	535.5
140	.53200	.50000	279.00	.4300-02	.4000-02	.4800-02	.1180-03	.9754-04	.1180-03	.7100-01	.7020	535.2
140	.76500	.10000+00	281.00	.4920-01	.4070-01	.4920-01	.1206-02	.9959-03	.1206-02	.7230	.949	540.6
140	.76500	.30000	282.00	.3550-01	.2530-01	.3550-01	.8704-03	.7190-03	.8704-03	.5230	.311	538.7
140	.76500	.50000	283.00	.3360-01	.2770-01	.3360-01	.8220-03	.6790-03	.8220-03	.4940	4.208	538.5
140	.76500	.70000	284.00	.1230-01	.1020-01	.1230-01	.3020-03	.2493-03	.3020-03	.1820	1.938	537.3
140	.90500	.10000+00	287.00	.4180-01	.3450-01	.4180-01	.1023-02	.8443-03	.1023-02	.6120	5.204	541.3
140	.90500	.50000	298.00	.1400-01	.1160-01	.1400-01	.3442-03	.2644-03	.3442-03	.2070	1.765	537.7

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1361

(RV1701)

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SP08RK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
119	7.970	20.00	.0000	180.0	321.3	.3400-01	1285.	93.80	1.499	3782.	.3017-04
120	7.970	20.00	.0000	180.0	318.0	.3300-01	1277.	93.20	1.484	3770.	.3005-04
227	7.970	19.94	.0000	180.0	319.7	.3400-01	1289.	94.10	1.492	3788.	.2993-04

RUN NUMBER	MU	LB-SEC /FT ²	ST FR R =	HREF BTU/ R FT2SEC
119	.7549-07	.3001-01	0.0175	.3001-01
120	.7501-07	.2982-01	.3315-01	.2982-01
227	.7573-07	.2995-01	.3329-01	.2995-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTAOT DEG. R /SEC	TH DEG. R
119	.29900	.10000+00	269.00	.3300-01	.2730-01	.3300-01	.9906-03	.8198-03	.9906-03	.6110	5.029	539.9
119	.29900	.50000	271.00	.7300-02	.6100-02	.7300-02	.2205-03	.1827-03	.2205-03	.1370	1.130	535.5
119	.53200	.00000	274.00	.1887	.1549	.1887	.5662-02	.4649-02	.5662-02	3.341	24.68	566.4
119	.53200	.10000+00	275.00	.5340-01	.4420-01	.5340-01	.1603-02	.1326-02	.1603-02	.9860	8.112	541.3
119	.53200	.50000	277.00	.1060-01	.8800-02	.1060-01	.3195-03	.2647-03	.3195-03	.1980	1.584	536.1
119	.53200	.70000	278.00	.3200-02	.2600-02	.3200-02	.9537-04	.7901-04	.9537-04	.5900-01	.6547	535.6
119	.53200	.90000	279.00	.4300-02	.3600-02	.4300-02	.1292-03	.1071-03	.1292-03	.9000-01	.7960	535.2
119	.76500	.10000+00	281.00	.4770-01	.3940-01	.4770-01	.1430-02	.1183-02	.1430-02	.8800	7.234	541.5
119	.76500	.30000	282.00	.3350-01	.2780-01	.3350-01	.1007-02	.8331-03	.1007-02	.6210	5.119	539.1
119	.76500	.50000	283.00	.2920-01	.2420-01	.2920-01	.8774-03	.7263-03	.8774-03	.5420	4.611	539.1
119	.76500	.70000	284.00	.1240-01	.1030-01	.1240-01	.3721-03	.3082-03	.3721-03	.2300	2.454	537.2
119	.90500	.10000+00	287.00	.4520-01	.3740-01	.4520-01	.1358-02	.1123-02	.1358-02	.8330	7.070	543.2
119	.90500	.50000	288.00	.1400-01	.1160-01	.1400-01	.4211-03	.3487-03	.4211-03	.2610	2.221	537.6

DATE 25 AUG 76

AEDC VKF V41B-57A (04-498) COLLATION DECK

PAGE 1362

VERTICAL TAIL

04-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1701)

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0000 MACH = 6.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
85	7.980	1.982	20.03	.0000	180.0	431.5	.4500-01	1303.	94.80	2.002	3808.	.3974-04
86	7.980	2.006	20.00	.0000	180.0	432.1	.4500-01	1294.	94.20	2.005	3794.	.4008-04
87	7.980	2.026	20.00	.0000	180.0	431.5	.4500-01	1284.	93.50	2.002	3780.	.4032-04

RUN NUMBER	MJ	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
85	.7635-07	.3476-01	.3476-01	0.0175
86	.7582-07	.3475-01	.3475-01	.2892-01
87	.7525-07	.3468-01	.3468-01	.2878-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H'(3TO) BTU/ R FT2SEC	H'(TO) BTU/ R FT2SEC	H'(TAN) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTNOT DEG. R /SEC	TW DEG. R
86	.29900	.10000+00	269.00	.3240-01	.2690-01	.3240-01	.1126-02	.9340-03	.1126-02	.7100	5.866	533.5
86	.29900	.50000	271.00	.5500-02	.4500-02	.5500-02	.1898-03	.1577-03	.1898-03	.1210	1.000	528.4
86	.53200	.00000	274.00	.1850	.1522	.1850	.6429-02	.5288-02	.6429-02	3.854	28.50	564.8
86	.53200	.10000+00	275.00	.5660-01	.4690-01	.5660-01	.1965-02	.1629-02	.1965-02	1.233	10.17	536.6
86	.53200	.50000	277.00	.8700-02	.8700-02	.1050-01	.3640-03	.3023-03	.3640-03	.2310	1.851	530.3
86	.53200	.70000	278.00	.5000-02	.4100-02	.5000-02	.1721-03	.1430-03	.1721-03	1.090	1.223	528.3
86	.53200	.90000	279.00	.4700-02	.3900-02	.4700-02	.1645-03	.1367-03	.1645-03	1.050	1.033	528.6
86	.76500	.10000+00	281.00	.4870-01	.4040-01	.4870-01	.1692-02	.1403-03	.1692-02	1.062	6.761	536.4
86	.76500	.30000	282.00	.3270-01	.2710-01	.3270-01	.1135-02	.9414-03	.1135-02	.7150	5.907	534.0
86	.76500	.50000	283.00	.2860-01	.2370-01	.2860-01	.9925-03	.8236-03	.9925-03	.6260	5.346	533.5
86	.76500	.70000	284.00	.1150-01	.9600-02	.1150-01	.3999-03	.3320-03	.3999-03	.2530	2.704	531.5
86	.90500	.10000+00	287.00	.4140-01	.3430-01	.4140-01	.1438-02	.1192-02	.1438-02	.9000	7.663	538.3
86	.90500	.50000	288.00	.1510-01	.1250-01	.1510-01	.5236-03	.4346-03	.5236-03	.3310	2.825	532.8

DATE 25 AUG 76

AEDC VKF V418-57A (OH-49B) COLLATION DECK

PAGE 1363

VERTICAL TAIL

OH-49B (AEDC V418-57A) ORBITER VERTICAL TAIL

(RV1T01)

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
67	7.990	2.500	20.00	.0000	180.0	546.9	.5600-01	1304.	94.70	2.524	3810.	.5003-04
68	7.990	2.488	20.02	.0000	180.0	544.2	.5600-01	1304.	94.70	2.511	3810.	.4979-04
69	7.990	2.546	19.98	.0000	180.0	546.9	.5600-01	1288.	93.60	2.524	3787.	.5064-04

RUN NUMBER	MU LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
67	.7625-07	.3904-01	0.0175
68	.7623-07	.3894-01	.2578-01
69	.7532-07	.3895-01	.2559-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(1AH) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTHOT DEG. R /SEC	TW DEG. R
68	.29900	.1000+00	269.00	.3123-01	.2590-01	.3120-01	.1216-02	.1009-02	.1216-02	.7740	6.381	536.9
68	.23300	.50000	271.00	.1600-02	.1330-02	.1600-02	.6205-04	.5158-04	.6205-04	.4000-01	.3300	531.0
68	.53200	.06000	274.00	.1829	.1503	.1829	.7122-02	.5853-02	.7122-02	4.285	31.56	571.6
68	.53200	.1000+00	275.00	.5660-01	.4700-01	.5660-01	.2205-02	.1828-02	.2205-02	1.396	11.50	539.9
68	.53200	.50000	277.00	.1130-01	.9400-02	.1130-01	.4389-03	.3647-03	.4389-03	.2810	2.255	532.0
68	.53200	.70000	278.00	.6100-02	.5100-02	.6100-02	.2382-03	.1981-03	.2382-03	.1530	1.710	530.3
68	.53200	.90000	279.00	.4700-02	.3900-02	.4700-02	.1828-03	.1520-03	.1828-03	.1180	1.161	530.4
68	.75500	.1000+00	281.00	.4640-01	.3850-01	.4640-01	.1806-02	.1499-02	.1806-02	1.146	9.444	538.7
68	.76500	.50000	282.00	.3200-01	.2680-01	.3200-01	.1247-02	.1035-02	.1247-02	.7950	6.558	535.9
68	.76500	.50000	283.00	.2500-01	.2080-01	.2500-01	.9754-03	.8099-03	.9754-03	.6220	5.310	535.2
68	.76500	.70000	284.00	.1060-01	.8800-02	.1060-01	.4139-03	.3439-03	.4139-03	.2650	2.830	533.0
68	.90500	.1000+00	287.00	.4260-01	.3530-01	.4260-01	.1659-02	.1376-02	.1659-02	1.049	8.922	540.8
66	.90500	.50000	289.00	.1450-01	.1200-01	.1450-01	.5634-03	.4679-03	.5634-03	.3600	3.073	534.3

AEDC VKF V41B-57A (OH-498) COLLATION DECK

DATE 25 AUG 76

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
46	7.990	2.948	19.97	.0000	180.0	672.9	.6900-01	134.1	97.40	3.105	3864.	.5984-04
47	7.990	2.975	19.98	.0000	180.0	674.5	.7000-01	1335.	97.00	3.112	3856.	.6025-04
48	7.990	2.969	19.97	.0000	180.0	673.7	.7000-01	1336.	97.00	3.109	3857.	.6014-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
46	.7844-07	.4351-01	C.0175
47	.7809-07	.4353-01	.2355-01
48	.7813-07	.4351-01	.2357-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDO1 BTU/ R FT2SEC	OTMOT DEG. R /SEC	TM DEG. R
47	.29900	.10000+00	269.00	.3010-01	.2510-01	.3010-01	1312-02	.1091-02	.1312-02	.8640	7.101	543.2
47	.29300	.50000	271.00	.1180-01	.9800-02	.1180-01	5146-03	.4285-03	.5146-03	.3420	2.818	537.6
47	.53200	.00000	274.00	.1894	.1557	.1894	.8244-02	.6778-02	.8244-02	5.088	37.18	584.7
47	.53200	.10000+00	275.00	.5490-01	.4550-01	.5490-01	.2388-02	.1983-02	.2388-02	1.561	12.79	548.1
47	.53200	.50200	277.00	.1240-01	.1030-01	.1240-01	5401-03	.4495-03	.5401-03	.3580	2.852	539.8
47	.53200	.70000	278.00	.4500-02	.3800-02	.4500-02	1978-03	.1647-03	.1978-03	.1310	1.458	538.1
47	.53200	.90000	279.00	.4200-02	.3500-02	.4200-02	1833-03	.1526-03	.1833-03	.1220	1.196	537.8
47	.76500	.10000+00	281.00	.4280-01	.3560-01	.4280-01	1865-02	.1549-02	.1865-02	1.222	10.02	546.4
47	.76500	.30000	282.00	.3000-01	.2500-01	.3000-01	1308-02	.1087-02	.1308-02	.8610	7.074	543.3
47	.76500	.50300	283.00	.2400-01	.2000-01	.2400-01	1046-02	.8698-03	.1046-02	.6890	5.853	542.9
47	.76500	.70000	284.00	.1050-01	.8800-02	.1050-01	.4585-03	.3814-03	.4585-03	.3030	3.224	540.4
47	.90500	.10000+00	237.00	.4770-01	.3960-01	.4770-01	.2075-02	.1722-02	.2075-02	1.353	11.44	549.8
47	.90500	.50000	288.00	.1480-01	.1230-01	.1480-01	.6440-03	.5356-03	.6440-03	.4250	3.612	541.8

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF W41B-57A (CH-498) COLLATION DECK

DATE 25 AUG 76

CH-498 (AEDC W41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
28	8.000	3.262	19.97	.0000	180.0	762.4	.7800-01	1359.	98.50	3.498	3891.	.6651-04
29	8.000	3.309	20.00	.0000	180.0	762.1	.7800-01	1346.	97.60	3.497	3872.	.6713-04
30	8.000	3.346	20.00	.0000	180.0	759.3	.7800-01	1333.	96.60	3.484	3853.	.6755-04

RUN NUMBER	MJ	HREF BTU/ R /FT2	ST FR R =
28	.7931-07	.4629-01	0.0175
29	.7854-07	.4621-01	.2233-01
30	.7777-07	.4604-01	.2224-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TM DEG. R
29	.29900	.10000+00	269.00	.2950-01	.2450-01	.2950-01	.1362-02	.1134-02	.1362-02	.9120	7.499	541.8
29	.29900	.50000	271.00	.7000-02	.5900-02	.7000-02	.3249-03	.2710-03	.3249-03	.2200	1.817	534.4
29	.53200	.00000	274.00	.1885	.1551	.1885	.8711-02	.7165-02	.8711-02	5.434	39.64	587.8
29	.53200	.10000+00	275.00	.5340-01	.4440-01	.5340-01	.2459-02	.2054-02	.2459-02	1.643	13.47	546.4
29	.53200	.50000	277.00	.1200-01	.1000-01	.1200-01	.5551-03	.4627-03	.5551-03	.3740	2.989	537.4
29	.53200	.70000	278.00	.4300-02	.3600-02	.4300-02	.2007-03	.1674-03	.2007-03	.1360	1.509	535.7
29	.53200	.90000	279.00	.4500-02	.3700-02	.4500-02	.2058-02	.1712-02	.2058-02	.1390	1.372	535.2
29	.76500	.10000+03	281.00	.4450-01	.3710-01	.4450-01	.1396-02	.1162-02	.1396-02	.9350	7.690	541.6
29	.76500	.30000	282.00	.3020-01	.2520-01	.3020-01	.1064-02	.8860-03	.1064-02	.7140	6.072	540.4
29	.76500	.50000	283.00	.2300-01	.1920-01	.2300-01	.4843-03	.4037-03	.4843-03	3260	3.474	538.0
29	.76500	.70000	284.00	.1050-01	.8700-02	.1050-01	.1989-02	.1654-02	.1989-02	1.320	11.18	547.9
29	.90500	.10000+00	287.00	.4310-01	.3580-01	.4310-01	.6932-03	.5775-03	.6932-03	.4660	3.963	539.6
29	.90500	.50000	288.00	.1500-01	.1250-01	.1500-01						

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1366

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T01)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPDRK = .0000
 BOFLAP = .0000 MACH = 8.030

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
1	8.000	3.780	19.99	.0000	180.0	863.4	.8800-01	1339.	97.00	3.962	3861.	.7647-04
2	8.000	3.783	19.99	.0000	180.0	861.7	.8800-01	1337.	96.90	3.954	3858.	.7646-04
3	8.000	3.766	19.99	.0000	180.0	864.5	.8900-01	1343.	97.40	3.967	3868.	.7632-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
1	.7812-07	.4914-01		0.0175
2	.7798-07	.4907-01		.2091-01
3	.7838-07	.4920-01		.2094-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
2	.23900	.10000+00	269.00	.2700-01	.2250-01	.2700-01	.1326-02	.1102-02	.1326-02	.8700	7.136	546.7
2	.29900	.50000	271.00	.9200-02	.7700-02	.9200-02	.4524-03	.3763-03	.4524-03	.2990	2.460	541.7
2	.53200	.00000	274.00	.1911	.1566	.1911	.9377-02	.7685-02	.9377-02	5.694	41.34	595.7
2	.53200	.10000+00	275.00	.5670-01	.4700-01	.5670-01	.2782-02	.2308-02	.2782-02	1.809	14.78	552.7
2	.53200	.50000	277.00	.1460-01	.1210-01	.1460-01	.7170-03	.5962-03	.7170-03	.4730	3.762	543.5
2	.53200	.70000	278.00	.3900-02	.3300-02	.3900-02	.1928-03	.1604-03	.1928-03	.1280	1.416	540.5
2	.53200	.90000	279.00	.4600-02	.3900-02	.4600-02	.2261-03	.1699-03	.2261-03	1.526	1.485	532.9
2	.76500	.10000+00	281.00	.4770-01	.3960-01	.4770-01	.2339-02	.1941-02	.2339-02	1.526	12.49	550.5
2	.76500	.30000	282.00	.2840-01	.2360-01	.2840-01	.1394-02	.1158-02	.1394-02	.9150	7.506	546.2
2	.76500	.50000	283.00	.2490-01	.2070-01	.2490-01	.1224-02	.1017-02	.1224-02	.6050	6.821	545.6
2	.76500	.70000	284.00	.9900-02	.8300-02	.9900-02	.4868-03	.4049-03	.4868-03	.3210	3.413	542.5
2	.90500	.10000+00	287.00	.4120-01	.3420-01	.4120-01	.2023-02	.1678-02	.2023-02	1.313	11.07	554.2
2	.90500	.50000	288.00	.1380-01	.1150-01	.1380-01	.6771-03	.5629-03	.6771-03	.4460	3.785	544.2

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 25.00°
BDFLAP = .0000
BETA = .0000
MACH = 8.000
ELEVTR = .0000
SPOBRK = .0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
169	7.900	.5461	25.03	.0000	180.0	13.9	.1200-01	1259.	33.40	.5330	3740.	.1097-04
170	7.900	.5426	25.03	.0000	180.0	109.8	.1200-01	1263.	93.70	.5330	3747.	.1092-04
171	7.900	.5441	25.04	.0000	180.0	110.8	.1200-01	1269.	94.10	.5380	3755.	.1098-04

RUN NUMBER	MU	HREF BTU/ R FT ² SEC	ST FR R =
169	.7517-07	.1784-01	0.0175
170	.7544-07	.1784-01	.5485-01
171	.7576-07	.1793-01	.5499-01
			.5488-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19T0 BTU/ R FT ² SEC	H1T0 BTU/ R FT ² SEC	H1TAN BTU/ R FT ² SEC	ODOT BTU/ R FT ² SEC	CTWOT DEG. R /SEC	TN DEG. R
170	.29300	.10000+00	269.00	.1970-01	.1630-01	.1970-01	.3519-03	.2912-03	.3519-03	.2140	1.768	530.1
170	.29300	.50000	271.00	.3400-02	.2800-02	.3400-02	.6064-04	.5023-04	.6064-04	.3700-01	.3070	527.5
170	.53200	.00000	274.00	.7510-01	.6210-01	.7510-01	.1340-02	.1107-02	.1340-02	.8050	6.060	535.9
170	.53200	.10000+00	275.00	.2180-01	.1800-01	.2180-01	.7888-03	.3220-03	.3808-03	.2370	1.961	528.6
170	.53200	.50000	277.00	.7600-02	.6300-02	.7600-02	.1355-03	.1122-03	.1355-03	.8300-01	.6640	527.2
170	.53200	.70000	278.00	.5000-02	.4200-02	.5000-02	.8960-04	.7423-04	.8960-04	.5500-01	.6120	526.7
170	.53200	.90000	279.00	.4500-02	.3700-02	.4500-02	.8071-04	.6666-04	.8071-04	.4900-01	.4870	527.0
170	.76500	.10000+00	281.00	.2640-01	.2180-01	.2640-01	.4705-03	.3635-03	.4705-03	.2860	2.366	529.8
170	.76500	.30000	282.00	.1420-01	.1160-01	.1420-01	.2539-03	.2103-03	.2539-03	.1540	1.280	528.9
170	.76500	.50000	283.00	.8700-02	.7200-02	.8700-02	.1551-03	.1284-03	.1551-03	.9400-01	.8080	528.6
170	.76500	.70000	284.00	.5000-02	.4100-02	.5000-02	.6823-04	.7356-04	.8803-04	.5400-01	.5730	528.2
170	.90500	.10000+00	287.00	.2590-01	.2150-01	.2590-01	.4628-03	.3829-03	.4628-03	.2800	2.396	531.5
170	.90500	.50000	288.00	.9400-02	.7800-02	.9400-02	.1677-03	.1388-03	.1677-03	.1020	.8730	529.1

DATE 25 AUG 76
AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL
PARAMETRIC DATA
ALPHA = 25.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
142	7.940	1.027	25.05	.0000	180.0	210.9	.2300-01	1264.	92.90	1.001	3750.	.2048-04
143	7.940	1.025	25.04	.0000	180.0	211.2	.2300-01	1267.	93.10	1.002	3754.	.2047-04
144	7.940	1.019	25.04	.0000	180.0	210.9	.2300-01	1271.	93.40	1.001	3760.	.2037-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =
142	.7480-07	.2445-01	0.0175
143	.7495-07	.2448-01	.4018-01
144	.7520-07	.2447-01	.4029-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
143	.29300	.10000+00	269.00	.1700-01	.1450-01	.1760-01	.4299-03	.3553-03	.4299-03	.2590	2.137	537.3
143	.29900	.50000	271.00	.6400-02	.5300-02	.6400-02	.1570-03	.1298-03	.1570-03	.9500-01	.7830	536.0
143	.53200	.00000	274.00	.7140-01	.5880-01	.7140-01	.1747-02	.1439-02	.1747-02	1.035	7.731	547.7
143	.53200	.10000+00	275.00	.2090-01	.1730-01	.2090-01	.5119-03	.4231-03	.5119-03	.3090	2.547	537.0
143	.53200	.50000	277.00	.8300-02	.6900-02	.8300-02	.2034-03	.1681-03	.2034-03	.1230	.9830	535.9
143	.53200	.70900	278.00	.2900-02	.2400-02	.2900-02	.7152-04	.5913-04	.7152-04	.4300-01	.4810	535.6
143	.53200	.90000	279.00	.4500-02	.3700-02	.4500-02	.1104-03	.9125-04	.1104-03	.6700-01	.6570	535.4
143	.76500	.10000+00	281.00	.2400-01	.1830-01	.2220-01	.5436-03	.4491-03	.5436-03	.3270	2.696	538.3
143	.76500	.30000	282.00	.1290-01	.1070-01	.1290-01	.3155-03	.2608-03	.3155-03	.1900	1.570	537.0
143	.76500	.50000	283.00	.9200-02	.7600-02	.9200-02	.2259-03	.1867-03	.2259-03	.1360	1.163	536.4
143	.76500	.70000	284.00	.4300-02	.3670-02	.4300-02	.1056-03	.8731-04	.1056-03	.6400-01	.6800	536.0
143	.90500	.10000+00	287.00	.5230-01	.4320-01	.5230-01	.1281-02	.1057-02	.1281-02	.7860	6.506	542.3
143	.90500	.50000	288.00	.1550-01	.1280-01	.1550-01	.3791-03	.3132-03	.3791-03	.2280	1.944	538.2

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1369

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1102)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 25.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
121	7.970	1.507	25.03	.0000	180.0	319.1	.3300-01	1282.	93.50	1.489	3777.	.3004-04
122	7.970	1.511	25.04	.0000	180.0	320.3	.3400-01	1283.	93.60	1.495	3778.	.3013-04
123	7.970	1.499	25.07	.0000	180.0	318.3	.3300-01	1284.	93.70	1.486	3781.	.2991-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
121	.7531-07	.2990-01	.2990-01	0.0175
122	.7536-07	.2996-01	.2996-01	.3316-01
123	.7545-07	.2987-01	.2987-01	.3329-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DT/DT DEG. R /SEC	TW DEG. R
122	.29900	.10000+00	269.00	.1830-01	.1520-01	.1830-01	.5492-03	.4547-03	.5492-03	.3390	2.795	537.4
122	.29900	.50000	271.00	.6600-02	.5400-02	.6600-02	.1970-03	.1632-03	.1970-03	.1220	1.007	535.3
122	.53200	.00000	274.00	.8220-01	.6780-01	.8220-01	.2463-02	.2031-02	.2463-02	1.486	11.08	551.2
122	.53200	.10000+00	275.00	.2410-01	.1990-01	.2410-01	.7206-03	.5965-03	.7206-03	.4450	3.665	537.6
122	.53200	.50000	277.00	.9000-02	.7500-02	.9000-02	.2710-03	.2245-03	.2710-03	.1680	1.341	535.6
122	.53200	.70000	278.00	.3700-02	.3100-02	.3700-02	.1123-03	.9300-04	.1123-03	.7000-01	.7740	533.2
122	.53200	.90000	279.00	.5200-02	.4300-02	.5200-02	.1551-03	.1285-03	.1551-03	.9600-01	.9450	535.4
122	.76500	.10000+00	281.00	.2630-01	.2180-01	.2630-01	.7681-03	.6521-03	.7681-03	.4850	3.993	539.4
122	.76500	.30000	282.00	.1420-01	.1170-01	.1420-01	.4243-03	.3513-03	.4243-03	.2620	2.160	537.3
122	.76500	.50000	283.00	.1040-01	.0860-02	.1040-01	.3121-03	.2584-03	.3121-03	.1930	1.643	536.9
122	.76500	.70000	284.00	.4800-02	.4000-02	.4800-02	.1445-03	.1197-03	.1445-03	.8900-01	.9520	536.6
122	.93500	.10000+00	287.00	.5330-01	.4410-01	.5330-01	.1597-02	.1320-02	.1597-02	.9760	8.285	543.5
122	.90500	.50000	288.00	.2210-01	.1830-01	.2210-01	.6614-03	.5473-03	.6614-03	.4070	3.464	539.1

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1370

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1102)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 25.00 BETA = .0000 ELEVTR = .0000 SPDRBK = .0000
BDFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
88	7.980	2.028	25.14	.0000	180.0	429.7	.4500-01	1279.	93.10	1.994	3774.	.4030-04
89	7.960	2.024	25.08	.0000	190.0	432.2	.4500-01	1286.	93.60	2.006	3783.	.4032-04
90	7.980	2.012	25.06	.0000	180.0	431.7	.4500-01	1290.	93.90	2.003	3789.	.4015-04

RUN NUMBER	MJ	HREF BTU/ R FT2	ST FR R =
88	7499-07	3458-01	0.0175
89	7537-07	3471-01	.2867-01
90	7561-07	3471-01	.2874-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
89	.29300	.10000*00	269.00	.2050-01	.1700-01	.2050-01	.7119-03	.5913-03	.7119-03	.4490	3.725	526.8
89	.29900	.50000	271.00	.6800-02	.5600-02	.6800-02	.2349-03	.1954-03	.2349-03	.1490	1.244	521.5
89	.53200	.00000	274.00	.8840-01	.7310-01	.8840-01	.3070-02	.2538-02	.3070-02	1.883	14.10	544.1
89	.53200	.10000*00	275.00	.2620-01	.2180-01	.2620-01	.9109-03	.7557-03	.9109-03	.5750	4.769	526.5
89	.53200	.50000	277.00	.1020-01	.8500-02	.1020-01	.3547-03	.2948-03	.3547-03	.2250	1.809	524.0
89	.53200	.70000	278.00	.3000-02	.2500-02	.3000-02	.1053-03	.8757-04	.1053-03	.6700-01	.7500	522.3
89	.53200	.90000	279.00	.5600-02	.4700-02	.5500-02	.1956-03	.1626-03	.1956-03	.1240	1.231	523.0
89	.76500	.10000*00	281.00	.3020-01	.2510-01	.3020-01	.1050-02	.8718-03	.1050-02	.6600	5.473	528.6
89	.76500	.30000	282.00	.1830-01	.1520-01	.1830-01	.6348-03	.5273-03	.6348-03	.4010	3.324	526.5
89	.76500	.50000	283.00	.1440-01	.1200-01	.1440-01	.5006-03	.4160-03	.5006-03	.3160	2.713	525.7
89	.76500	.70000	284.00	.6000-02	.5000-02	.6000-02	.2082-03	.1731-03	.2082-03	.1320	1.415	524.5
89	.90500	.10000*00	287.00	.5640-01	.4670-01	.5640-01	.1956-02	.1622-02	.1956-02	1.222	10.44	532.7
89	.90500	.50000	288.00	.2260-01	.1880-01	.2260-01	.7859-03	.5525-03	.7859-03	.4940	4.234	528.4

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DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1371

VERTICAL TAIL

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T02)

PARAMETRIC DATA

ALPHA = 25.00 BETA = .0000 ELEV ? = .0000 SPOBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
70	7.990	2.527	25.08	.0000	180.0	546.9	.5600-01	1294.	94.00	2.524	3796.	.5040-04
71	7.990	2.486	25.01	.0000	180.0	547.1	.5603-01	1309.	95.10	2.525	3817.	.4985-04
72	7.990	2.486	25.03	.0000	180.0	548.3	.5700-01	1311.	95.20	2.530	3820.	.4988-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
70	.7569-07	.3899-01		0.0175
71	.7655-07	.3907-01		.2584-01
72	.7666-07	.3912-01		.2583-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
71	.29300	.10000+00	269.00	.2260-01	.1880-01	.2260-01	.8829-03	.7337-03	.8829-03	.5680	4.692	534.6
71	.29900	.50090	271.00	.1020-01	.8500-02	.1020-01	.3992-03	.3321-03	.3992-03	.2590	2.144	529.8
71	.53200	.03000	274.00	.8820-01	.7290-01	.8820-01	.3446-02	.2848-02	.3446-02	2.149	15.99	554.5
71	.53200	.10000+00	275.00	.2720-01	.2260-01	.2720-01	.1061-02	.882-03	.1061-02	.6830	5.646	534.2
71	.53200	.50000	277.00	.1040-01	.8600-02	.1040-01	.4047-03	.3366-03	.4047-03	.2620	2.102	530.5
71	.53200	.70000	278.00	.3760-02	.3100-02	.3700-02	.1440-03	.1198-03	.1440-03	.9300-01	1.042	529.8
71	.53200	.90000	279.00	.5700-02	.4800-02	.5700-02	.2240-03	.1863-03	.2240-03	.1450	1.433	530.0
71	.76500	.10000+00	281.00	.3370-01	.2800-01	.3370-01	.1318-02	.1095-02	.1318-02	.8460	6.980	536.4
71	.76500	.30000	282.00	.2240-01	.1860-01	.2240-01	.8754-03	.7275-03	.8754-03	.5640	4.660	533.6
71	.76500	.50000	283.00	.2076-01	.1720-01	.2070-01	.8065-03	.6720-03	.8065-03	.5210	4.450	533.8
71	.90500	.70000	284.00	.8100-02	.6700-02	.8100-02	.3155-03	.2624-03	.3155-03	.2040	2.181	531.4
71	.90500	.10000+00	287.00	.5650-01	.4850-01	.5850-01	.2286-02	.1895-02	.2286-02	1.453	12.35	542.2
71	.90500	.50000	288.00	.2140-01	.1780-01	.2140-01	.8362-03	.6946-03	.8362-03	.5370	4.583	535.5

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1372

VERTICAL TAIL

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T02)

PARAMETRIC DATA

ALPHA = 25.03 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = .0003 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
49	7.990	2.979	25.04	.0000	180.0	673.5	.7000-01	1333.	96.80	3.108	3852.	.6027-04
50	7.990	2.946	24.99	.0000	180.0	673.6	.7000-01	1343.	97.50	3.108	3867.	.5633-04
51	7.990	2.964	25.02	.0000	180.0	674.3	.7000-01	1338.	97.20	3.112	3860.	.6009-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
49	.7795-07	.4348-01	.0175	.2354-01
50	.7852-07	.4354-01		.2364-01
51	.7827-07	.4354-01		.2359-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(IGT) BTU/ R FT2SEC	H(TOI) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DT4OT DEG. R /SEC	TH DEG. R
50	.29900	.10000+00	269.00	.2510-01	.2090-01	.2510-01	.1093-02	.9098-03	.1093-02	.7290	5.996	541.5
50	.29900	.50000	271.00	.6000-02	.5000-02	.6000-02	.2610-03	.2175-03	.2610-03	.1750	1.448	536.2
50	.53200	.00000	274.00	.8120-01	.6720-01	.8120-01	.3538-02	.2926-02	.3538-02	2.275	16.81	565.5
50	.53200	.10003+00	275.00	.2940-01	.2450-01	.2940-01	.1280-02	.1085-02	.1280-02	.8520	7.003	542.8
50	.53200	.50000	277.00	.1170-01	.9700-02	.1170-01	.5079-03	.4231-03	.5079-03	.3400	2.717	538.5
50	.53200	.70000	278.00	.4400-02	.3700-02	.4400-02	.1911-03	.1533-03	.1911-03	.1280	1.429	536.3
50	.53200	.90000	279.00	.6100-02	.5000-02	.6100-02	.2636-03	.2196-03	.2636-03	.1770	1.737	537.8
50	.76500	.10000+00	281.00	.3340-01	.2780-01	.3340-01	.1456-02	.1211-02	.1456-02	.9670	7.935	544.5
50	.76500	.30000	282.00	.2450-01	.2040-01	.2450-01	.1066-02	.8868-03	.1066-02	.7100	5.837	542.2
50	.76500	.50000	283.00	.2310-01	.1920-01	.2310-01	.1005-02	.8375-03	.1005-02	.6710	5.696	542.2
50	.76500	.70000	284.00	.1050-01	.8630-02	.1050-01	.4592-03	.3824-03	.4592-03	.3070	3.266	539.8
50	.90500	.10000+00	287.00	.6200-01	.5150-01	.6200-01	.2701-02	.2243-02	.2701-02	1.774	14.98	552.0
50	.90500	.50000	288.00	.2110-01	.1760-01	.2110-01	.9208-03	.7662-03	.9208-03	.6130	5.202	543.2

DATE 25 AUG 76

AEDC VKF V41B-57A (04-498) COLLATION DECK

PAGE 1373

04-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T02)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 25.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MOFL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
31	8.000	3.352	25.05	.0000	180.0	759.2	.7800-01	1332.	96.50	3.484	3851.	.6762-04
32	8.000	3.329	25.07	.0000	180.0	761.1	.7800-01	1340.	97.10	3.492	3862.	.673-04
33	8.000	3.291	25.04	.0000	180.0	759.8	.7800-01	1349.	97.70	3.486	3875.	.6661-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
31	.7768-07	.4603-01	.2222-01	0.0175
32	.7816-07	.4614-01	.2228-01	
33	.7868-07	.4615-01	.2238-01	

TEST DATA

RUN NUMBER	Z/EV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
32	.29900	.10000+00	269.00	.2810-01	.2340-01	.2810-01	.1295-02	.1078-02	.1296-02	.8590	7.056	543.2
32	.29900	.50000	271.00	.5200-02	.4300-02	.5200-02	.2388-03	.1989-03	.2388-03	.1590	1.314	538.2
32	.53200	.00000	274.00	.7520-01	.6220-01	.7520-01	.3471-02	.2870-02	.3471-02	2.221	16.41	566.0
32	.53200	.10000+00	275.00	.2990-01	.2480-01	.2930-01	.1378-02	.1146-02	.1378-02	.9120	7.494	543.8
32	.53200	.50000	277.00	.1290-01	.1070-01	.1290-01	.5942-03	.4947-03	.5942-03	.3960	3.157	539.8
32	.53200	.70000	278.00	.5000-02	.4200-02	.5000-02	.2310-03	.1924-03	.2310-03	.1540	1.714	537.9
32	.53200	.90000	279.00	.6700-02	.5600-02	.6700-02	.3084-03	.2568-03	.3084-03	.2060	2.023	538.2
32	.53200	.10000+00	281.00	.3770-01	.3130-01	.3770-01	.1738-02	.1444-02	.1738-02	1.147	9.404	546.0
32	.76500	.30000	282.00	.2680-01	.2230-01	.2680-01	.1235-02	.1028-02	.1235-02	.8180	6.718	543.7
32	.76500	.50000	283.00	.2350-01	.1950-01	.2350-01	.1087-02	.9042-03	.1087-02	.7200	6.110	543.7
32	.76500	.70000	284.00	.1090-01	.9100-02	.1090-01	.5034-03	.4190-03	.5034-03	.3350	3.558	540.8
32	.90500	.10000+00	287.00	.5700-01	.4730-01	.5700-01	.2629-02	.2181-02	.2629-02	1.715	14.47	553.4
32	.90500	.50000	288.00	.1910-01	.1590-01	.1910-01	.8825-03	.7341-03	.8825-03	.5850	4.966	543.1

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1374

VERTICAL TAIL

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1102)

PARAMETRIC DATA

ALPHA = 25.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
4	8.000	3.773	25.05	.0000	180.0	862.8	.8800-01	134.0	97.10	3.959	3863.	.7636-04
5	8.000	3.783	25.05	.0000	180.0	861.5	.8800-01	133.6	96.80	3.953	3856.	.7645-04
6	8.000	3.773	25.04	.0000	180.0	863.7	.8800-01	134.1	97.20	3.964	3864.	.7639-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
4	.7818-07	.4913-01	0.0175
5	.7797-07	.4907-01	.2091-01
6	.7823-07	.4916-01	.2092-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTADT DEG. R /SEC	TW DEG. R
5	.29300	.10000*00	269.00	.2840-01	.2360-01	.2840-01	.1392-02	.1158-02	.1392-02	.9200	7.569	541.5
5	.29500	.50000	271.00	.6100-02	.5100-02	.6100-02	.2974-03	.2478-03	.2974-03	.1990	1.639	535.4
5	.53200	.00000	274.00	.6980-01	.5770-01	.6980-01	.3424-02	.2931-02	.3424-02	2.185	16.16	564.6
5	.53200	.10000*00	275.00	.3090-01	.2570-01	.3090-01	.1515-02	.1261-02	.1515-02	1.003	8.253	540.8
5	.53200	.50000	277.00	.1360-01	.1130-01	.1360-01	.6687-03	.5569-03	.6687-03	.4450	3.554	537.3
5	.53200	.70000	278.00	.4200-02	.3500-02	.4200-02	.2059-03	.1716-03	.2059-03	.1380	1.532	534.4
5	.53200	.90000	279.00	.6500-02	.5400-02	.6500-02	.3190-03	.2659-03	.3190-03	.2130	2.098	534.9
5	.76500	.10000*00	281.00	.3630-01	.3020-01	.3630-01	.1781-02	.1481-02	.1781-02	1.175	9.648	543.5
5	.76500	.30000	282.00	.2650-01	.2200-01	.2650-01	.1300-02	.1081-02	.1300-02	.8600	7.080	540.7
5	.75500	.50000	283.00	.2400-01	.1930-01	.2400-01	.1176-02	.9787-03	.1176-02	.7790	6.624	540.5
5	.76500	.70000	284.00	.1100-01	.9100-02	.1100-01	.5390-03	.4488-03	.5390-03	.3580	3.816	537.8
5	.90500	.10000*00	287.00	.6230-01	.5170-01	.6230-01	.3055-02	.2535-02	.3055-02	1.989	16.79	551.9
5	.90500	.50000	288.00	.1840-01	.1530-01	.1840-01	.9035-03	.7517-03	.9035-03	.5980	5.088	540.6

DATE 25 AUG 76

AEDC VWF V41B-57A (OH-498) COLLATION DECK

PAGE 1375

VERTICAL TAIL

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T03)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPDRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	O PSIA	V FT/SEC	RHO SLUGS /FT ³
172	7.900	.5294	30.08	.0000	180.0	108.2	.1200-01	1272.	94.30	.5250	3760.	.1069-04
173	7.900	.5376	30.06	.0000	180.0	110.1	.1200-01	1273.	94.50	.5340	3762.	.1087-04
174	7.900	.5305	30.05	.0000	180.0	108.8	.1200-01	1275.	94.50	.5280	3764.	.1073-04

RUN NUMBER	MU LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
172	.7594-07	.1773-01	.0175
173	.7604-07	.1789-01	.5582-01
174	.7612-07	.1779-01	.5518-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT ² SEC	H(1TO) BTU/ R FT ² SEC	H(1AW) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTMDT DEG. R /SEC	TW DEG. R
173	.29900	.10000+00	269.00	.1670-01	.1390-01	.1670-01	.2992-03	.2462-03	.2992-03	.1850	1.339	526.4
173	.29900	.50000	271.00	.1490-01	.1240-01	.1490-01	.2661-03	.2210-03	.2661-03	.1660	1.380	522.9
173	.53200	.00000	274.00	.1440-01	.3680-01	.1440-01	.7950-03	.6589-03	.7950-03	.4900	3.703	529.4
173	.53200	.10000+00	275.00	.1820-01	.1510-01	.1820-01	.3256-03	.2702-03	.3256-03	.2020	1.680	525.0
173	.53200	.50000	277.00	.7400-02	.6100-02	.7400-02	.1325-03	.1100-03	.1325-03	.8200-01	.6640	523.9
173	.53200	.70000	278.00	.2300-02	.1900-02	.2300-02	.4193-04	.3481-04	.4193-04	.2600-01	.2920	523.8
173	.53200	.90000	279.00	.4100-02	.3400-02	.4100-02	.7338-04	.6092-04	.7338-04	.4600-01	.4530	523.6
173	.76500	.10000+00	281.00	.2230-01	.1850-01	.2230-01	.3989-03	.3310-03	.3989-03	.2470	2.055	525.8
173	.76500	.30000	282.00	.1350-01	.1120-01	.1350-01	.2408-03	.1998-03	.2408-03	.1500	1.242	525.2
173	.76500	.50000	283.00	.1120-01	.9300-02	.1120-01	.1537-03	.1657-03	.1537-03	.1240	1.065	525.0
173	.76500	.70000	284.00	.5800-02	.4800-02	.5800-02	.1034-03	.8579-04	.1034-03	.6400-01	.6890	525.1
173	.90500	.10000+00	287.00	.2080-01	.1720-01	.2080-01	.3717-03	.3083-03	.3717-03	.2300	1.971	527.5
173	.90500	.50000	288.00	.8800-02	.7300-02	.8800-02	.1572-03	.1304-03	.1572-03	.9700-01	.8360	525.9

DATE 25 AUG 76

AEDC VKI V418-57A (OH-498) COLLATION DECK

PAGE 1376

VERTICAL TAIL

OH-498 (AEDC V418-57A) ORBITER VERTICAL TAIL

(RV1T03)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPDRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
145	7.940	1.017	30.06	.0000	180.0	210.8	.2300-01	1272.	93.50	1.000	3762.	.2034-04
146	7.940	1.013	30.05	.0000	180.0	210.9	.2300-01	1276.	93.70	1.001	3767.	.2030-04
147	7.940	1.020	30.04	.0000	180.0	212.1	.2300-01	1275.	93.70	1.007	3765.	.2043-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
145	.7527-07	.2447-01	0.0175
146	.7546-07	.2449-01	.4038-01
147	.7541-07	.2456-01	.4025-01

TEST DATA

RUN NUMBER	Z/BV	Y/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTI/TOT DEG. R /SEC	TH DEG. R
145	.29300	.10000-00	269.00	.1440-01	.1190-01	.1440-01	.3526-03	.2917-03	.3526-03	.2150	1.777	536.9
146	.29300	.50000	271.00	.1800-02	.1500-02	.1800-02	.4513-04	.3736-04	.4513-04	.2800-01	.2280	535.0
146	.53200	.50000	274.00	.3650-01	.3020-01	.3650-01	.8938-03	.7354-03	.8938-03	.5420	4.066	541.3
146	.53200	.10000-00	275.00	.1730-01	.1430-01	.1730-01	.4244-03	.3512-03	.4244-03	.2600	2.142	536.3
146	.53200	.50000	277.00	.8300-02	.6600-02	.8300-02	.2022-03	.1673-03	.2022-03	.1240	.9900	535.6
146	.53200	.70000	278.00	.1600-02	.1400-02	.1600-02	.4001-04	.3312-04	.4001-04	.2500-01	.2730	535.2
146	.53200	.90000	279.00	.4300-02	.3600-02	.4300-02	.1063-03	.8903-04	.1063-03	.6500-01	.6420	534.9
146	.76500	.10000-00	281.00	.2350-01	.1940-01	.2350-01	.5743-03	.4751-03	.5743-03	.3510	2.893	537.1
146	.76500	.50000	282.00	.1450-01	.1200-01	.1450-01	.3562-03	.2947-03	.3562-03	.2180	1.796	536.8
146	.76500	.50000	283.00	.1120-01	.9300-02	.1120-01	.2740-03	.2267-03	.2740-03	.1680	1.428	536.5
146	.90500	.70000	284.00	.7900-02	.6500-02	.7900-02	.1935-03	.1601-03	.1935-03	.1180	1.261	536.5
146	.90500	.10000-00	287.00	.1930-01	.1590-01	.1930-01	.4718-03	.3902-03	.4718-03	.2870	2.447	538.7
146	.90500	.50000	288.00	.1130-01	.9300-02	.1130-01	.2763-03	.2285-03	.2763-03	.1690	1.438	537.1

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1377

(RV1T03)

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 5 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
124	7.970	1.513	30.06	.0000	180.0	321.0	.3400-01	1283.	93.60	1.498	3779.	.3018-04
125	7.970	1.512	30.06	.0000	180.0	321.0	.3400-01	1284.	93.70	1.498	3780.	.3018-04
126	7.970	1.519	30.08	.0000	180.0	321.9	.3400-01	1283.	93.60	1.502	3778.	.3029-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
124	.7539-07	.2999-01	0.0175
125	.7542-07	.3000-01	.3313-01
126	.7535-07	.3003-01	.3314-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTAOT DEG. R /SEC	TN DEG. R
125	29300	.10000*00	269.00	.1250-01	.1040-01	.1250-01	.3761-03	.3114-03	.3761-03	.2320	1.915	537.8
125	29900	.50000	271.00	.3800-02	.3200-02	.3800-02	.1150-03	.9527-04	.1150-03	.7100-01	.5900	534.5
125	53200	.00000	274.00	.3170-01	.2620-01	.3170-01	.9495-03	.7851-03	.9495-03	.5820	4.363	542.3
125	53200	.10000*00	275.00	.1660-01	.1370-01	.1660-01	.4970-03	.4116-03	.4970-03	.3070	2.533	537.4
125	53200	.50000	277.00	.1130-01	.9300-02	.1130-01	.3381-03	.2800-03	.3381-03	.2090	1.672	536.5
125	53200	.70000	278.00	.4800-02	.3800-02	.4600-02	.1367-03	.1132-03	.1367-03	.8500-01	.9430	535.2
125	53200	.90000	279.00	.4800-02	.4000-02	.4800-02	.1448-03	.1199-03	.1448-03	.9000-01	.8830	535.9
125	76500	.10000*00	281.00	.2280-01	.1890-01	.2280-01	.6836-03	.5658-03	.6836-03	.4220	3.473	538.7
125	76500	.30000	282.00	.1810-01	.1490-01	.1810-01	.5415-03	.4483-03	.5415-03	.3340	2.757	537.8
125	76500	.50000	283.00	.1450-01	.1200-01	.1450-01	.4357-03	.3608-03	.4357-03	.2690	2.294	537.4
125	76500	.70000	284.00	.1040-01	.8600-02	.1040-01	.3115-03	.2580-03	.3115-03	.1930	2.051	537.3
125	90500	.10000*00	287.00	.2430-01	.2010-01	.2430-01	.7278-03	.6022-03	.7278-03	.4480	3.811	539.9
125	90500	.50000	288.00	.1610-01	.1330-01	.1610-01	.4820-03	.3989-03	.4820-03	.2970	2.531	538.3

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1378

VERTICAL TAIL

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1103)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	Y FT/SEC	RHO SLUGS /FT ³
180.0	431.5	.4500-01	1289.	93.80	2.002	3787.	.4017-04
180.0	432.5	.4500-01	1286.	93.60	2.007	3784.	.4034-04
180.0	432.2	.4500-01	1285.	93.60	2.006	3782.	.4035-04

RUN NUMBER	ALPHA DEG.	RV/L X10.6 /FT	YAM DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	Y FT/SEC	RHO SLUGS /FT ³
91	30.07	2.015	.0000	180.0	431.5	.4500-01	1289.	93.80	2.002	3787.	.4017-04
92	30.07	2.025	.0000	180.0	432.5	.4500-01	1286.	93.60	2.007	3784.	.4034-04
93	30.07	2.026	.0000	180.0	432.2	.4500-01	1285.	93.60	2.006	3782.	.4035-04

RUN NUMBER	ST FT	R =	HREF BTU/ R FT ² SEC	BTU/ R FT ² SEC
91	0.0175	0.0175	3470-01	3470-01
92	0.0175	0.0175	3473-01	3473-01
93	0.0175	0.0175	3471-01	3471-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19TO BTU/ R FT ² SEC	H1TO BTU/ R FT ² SEC	H1TAN BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTMDT DEG. R /SEC	TM DEG. R
92	29300	10000+00	269.00	.1130-01	.9400-02	.1130-01	.3922-03	.3260-03	.3922-03	.2490	2.065	524.1
92	29900	50000	271.00	.3800-02	.3800-02	.3800-02	.1329-03	.1105-03	.1329-03	.8400-01	.7030	522.0
92	53200	10000+00	274.00	.2940-01	.2940-01	.2940-01	.1022-02	.8480-03	.1022-02	.6410	4.843	530.0
92	53200	10000+00	275.00	.1620-01	.1620-01	.1620-01	.5630-03	.4680-03	.5630-03	.3570	2.965	524.0
92	53200	50000	277.00	.1390-01	.1160-01	.1390-01	.4843-03	.4027-03	.4843-03	.3080	2.478	522.7
92	53200	70300	278.00	.5300-02	.4400-02	.5300-02	.1845-03	.1535-03	.1845-03	.1170	1.316	522.0
92	53200	90300	279.00	.4900-02	.4100-02	.4900-02	.1713-03	.1425-03	.1713-03	.1090	1.082	521.7
92	76500	10000+00	281.00	.2610-01	.2160-01	.2610-01	.9050-03	.7513-03	.9050-03	.5710	4.743	526.3
92	76500	30000	282.00	.2150-01	.1820-01	.2150-01	.6316-03	.5073-03	.6316-03	.4800	3.990	525.5
92	76500	50000	283.00	.1760-01	.1460-01	.1760-01	.6105-03	.5073-03	.6105-03	.3860	3.313	525.3
92	76500	70000	284.00	.9500-02	.7900-02	.9500-02	.3302-03	.2745-03	.3302-03	.2090	2.246	524.1
92	90300	10000+00	287.00	.2900-01	.2410-01	.2900-01	.1008-02	.8365-03	.1008-02	.6340	5.428	528.7
92	90300	50000	288.00	.1660-01	.1380-01	.1660-01	.5752-03	.4778-03	.5752-03	.3630	3.113	526.5

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DATE 25 AUG 76

AEDC WAF V418-57A (04-498) COLLATION DECK

PAGE 1379

VERTICAL TAIL

04-498 (AEDC V418-57A) ORBITER VERTICAL TAIL

(RV1103)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 R	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
73	7.990	2.486	30.07	.0000	180.0	544.6	.5600-01	1305.	94.80	2.513	3812.	.4977-04
74	7.990	2.513	30.07	.0000	180.0	547.2	.5700-01	1300.	94.40	2.525	3804.	.5021-04
75	7.990	2.521	30.08	.0000	180.0	546.9	.5600-01	1297.	94.20	2.524	3800.	.5031-04

RUN NUMBER	MU	LR-SEC /FT ²	LR-SEC /FT ²	ST FR R =
73	.7632-07	.3896-01	.3896-01	0.0175
74	.7601-07	.3902-01	.3902-01	.2572-01
75	.7593-07	.3900-01	.3900-01	.2569-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(1AW) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DT/DT DEG. R /SEC	TH DEG. R
74	.29900	.10000+00	269.00	.1170-01	.9700-02	.1170-01	.4556-03	.3788-03	.4556-03	.2920	2.421	528.8
74	.29900	.50000	271.00	.2500-02	.2100-02	.2500-02	.9941-04	.8274-04	.9941-04	.6400-01	.5330	524.9
74	.53200	.00000	274.00	.3080-01	.2560-01	.3080-01	.1203-02	.9981-03	.1203-02	.7620	5.736	536.0
74	.53200	.10000+00	275.00	.1740-01	.1450-01	.1740-01	.6808-03	.5661-03	.6808-03	.4370	3.120	528.5
74	.53200	.50000	277.00	.1200-01	.1000-01	.1200-01	.4686-03	.3898-03	.4686-03	.3010	2.474	526.5
74	.53200	.70000	278.00	.6300-02	.5700-02	.6300-02	.2686-03	.2235-03	.2686-03	.1730	1.937	525.4
74	.53200	.90000	279.00	.7400-02	.6200-02	.7400-02	.2686-03	.2401-03	.2686-03	.1860	1.838	523.2
74	.76500	.10000+00	281.00	.3100-01	.2570-01	.3100-01	.1208-02	.1004-02	.1208-02	.7710	6.379	531.7
74	.76500	.30000	282.00	.2460-01	.2040-01	.2460-01	.5585-03	.7967-03	.5585-03	.6140	5.082	529.8
74	.76500	.50000	283.00	.2120-01	.1760-01	.2120-01	.6284-03	.6886-03	.6284-03	.5310	4.542	529.4
74	.76500	.70000	284.00	.1070-01	.8900-02	.1070-01	.4184-03	.3479-03	.4184-03	.2680	2.875	528.2
74	.90500	.10000+00	287.00	.3040-01	.2520-01	.3040-01	.1186-02	.9850-03	.1186-02	.7550	6.450	533.3
74	.90500	.50000	288.00	.1790-01	.1490-01	.1790-01	.7000-03	.5817-03	.7000-03	.4460	3.829	530.5

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1380

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1703)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
52	7.990	2.989	30.06	.0000	180.0	673.3	.7000-01	1330.	96.60	3.107	3847.	.6040-04
53	7.990	2.992	30.07	.0000	180.0	674.8	.7000-01	1331.	96.60	3.114	3849.	.6049-04
54	7.990	2.975	30.07	.0000	180.0	673.1	.7000-01	1334.	96.90	3.106	3853.	.6020-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
52	.7775-07	.4346-01	0.0175
53	.7781-07	.4351-01	.2351-01
54	.7799-07	.4347-01	.2349-01
			.2355-01

TEST DATA

RUN NUMBER	Z/8V	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DT/DET DEG. R /SEC	TW DEG. R
53	.29900	.10000+00	269.00	.1160-01	.9700-02	.1160-01	.5067-03	.4216-03	.5067-03	.3340	2.755	538.0
53	.29900	.50000	271.00	.8800-02	.7300-02	.8600-02	.3821-03	.3183-03	.3821-03	.2530	2.094	534.3
53	.53200	.00000	274.00	.3270-01	.2710-01	.3270-01	.1423-02	.1181-02	.1423-02	.9230	6.893	548.7
53	.53200	.10000+00	275.00	.1960-01	.1630-01	.1960-01	.8536-03	.7101-03	.8536-03	.5620	4.631	538.9
53	.53200	.50000	277.00	.1410-01	.1170-01	.1410-01	.5119-03	.5093-03	.6119-03	.4940	3.228	537.3
53	.53200	.70000	278.00	.5300-02	.4400-02	.5300-02	.2310-03	.1923-03	.2310-03	.1530	1.699	536.3
53	.53200	.90000	279.00	.9500-02	.7900-02	.9500-02	.4114-03	.3424-03	.4114-03	.2720	2.673	536.8
53	.76500	.10000+00	281.00	.3350-01	.2790-01	.3350-01	.1463-02	.1216-02	.1463-02	.9580	7.870	543.1
53	.76500	.30000	282.00	.2850-01	.2370-01	.2850-01	.1242-02	.1033-02	.1242-02	.6160	6.710	540.8
53	.76500	.50000	283.00	.2730-01	.2270-01	.2730-01	.1190-02	.9891-03	.1190-02	.7810	6.642	540.9
53	.76500	.70000	284.00	.1160-01	.9700-02	.1160-01	.5058-03	.4210-03	.5058-03	.3340	3.553	538.7
53	.90500	.10000+00	287.00	.3120-01	.2590-01	.3120-01	.1359-02	.1129-02	.1359-02	.8880	7.531	544.3
53	.90500	.50000	288.00	.2060-01	.1710-01	.2060-01	.8953-03	.7444-03	.8953-03	.5880	4.999	540.8

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
34	8.000	3.293	30.09	.0000	180.0	762.3	.7800-01	1351.	97.90	3.498	3878.	.6692-04
35	8.000	3.311	30.09	.0000	180.0	760.5	.7800-01	1344.	97.40	3.490	3868.	.6711-04
36	8.000	3.342	30.11	.0000	180.0	762.1	.7800-01	1337.	96.90	3.497	3859.	.6758-04

RUN NUMBER	MU	HREF BTU/ R /FT2	ST FR R =
34	.7881-07	.4624-01	0.0175
35	.7840-07	.4614-01	.2237-01
36	.7803-07	.4615-01	.2233-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
35	.29900	.10000+00	269.00	.1080-01	.9000-02	.1080-01	.4286-03	.4156-03	.4986-03	.3360	2.769	536.2
35	.29900	.50000	271.00	.6600-02	.5500-02	.6600-02	.3026-03	.2526-03	.3028-03	.2050	1.690	533.9
35	.53200	.00000	274.00	.3450-01	.2870-01	.3450-01	.1594-02	.1325-02	.1594-02	1.054	7.875	547.9
35	.53200	.10000+00	275.00	.2820-01	.1850-01	.2220-01	.1026-02	.8551-03	.1026-02	.6900	5.690	537.0
35	.53200	.50000	277.00	.1670-01	.1390-01	.1670-01	.7684-03	.6406-03	.7684-03	.5180	4.142	535.4
35	.53200	.70000	278.00	.7400-02	.6200-02	.7400-02	.3407-03	.2842-03	.3407-03	.2300	2.563	533.8
35	.53200	.90000	279.00	.5100-02	.7600-02	.9100-02	.4171-03	.3484-03	.4177-03	.2820	2.780	534.0
35	.76500	.10000+00	281.00	.3110-01	.2550-01	.3110-01	.1435-02	.1195-02	.1435-02	.9600	7.897	540.6
35	.76500	.30000	282.00	.3040-01	.2530-01	.3040-01	.1435-02	.1169-02	.1403-02	.9410	7.748	539.0
35	.76500	.50000	283.00	.2720-01	.2270-01	.2720-01	.1257-02	.1047-02	.1257-02	.8420	7.166	538.4
35	.76500	.70000	284.00	.1150-01	.9600-02	.1150-01	.5289-03	.4409-03	.5289-03	.3560	3.796	536.2
35	.90500	.10000+00	287.00	.2890-01	.2400-01	.2890-01	.1332-02	.1109-02	.1332-02	.8870	7.534	543.3
35	.90500	.50000	288.00	.1810-01	.1510-01	.1810-01	.8361-03	.6966-03	.8361-03	.5610	4.778	538.4

DATE 25 AUG 76

AEDC VKF V41B-57A (CH-49B) COLLATION DECK

PAGE 1382

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T03)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0000 MACH = 8.9000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
7	8.000	3.750	30.10	.0000	180.0	862.2	.8800-01	1345.	97.50	3.957	3870.	.7603-04
8	8.000	3.754	30.10	.0000	180.0	861.4	.8800-01	1343.	97.30	3.953	3867.	.7607-04
9	8.000	3.754	30.08	.0000	180.0	863.5	.8800-01	1345.	97.50	3.963	3870.	.7613-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
7	.7843-07	.4914-01	0.0175
8	.7835-07	.4911-01	.2098-01
9	.7848-07	.4918-01	.2097-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10I) BTU/ R FT2SEC	H(11AW) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
8	.29900	.10000*00	269.00	.1110-01	.9300-02	.1110-01	.5474-03	.4562-03	.5474-03	.3680	3.035	536.6
8	.29900	.50000	271.00	.5400-02	.4500-02	.5400-02	.2637-03	.2200-03	.2637-03	.1780	1.474	532.7
8	.53200	.00000	274.00	.4440-01	.3690-01	.4440-01	.2180-02	.1811-02	.2180-02	1.435	10.70	550.5
8	.53200	.10000*00	275.00	.3060-01	.2500-01	.3060-01	.1504-02	.1253-02	.1504-02	1.007	8.296	539.1
8	.53200	.50000	277.00	.1630-01	.1360-01	.1630-01	.8025-03	.6690-03	.8025-03	.5400	4.317	535.8
8	.53200	.70000	278.00	.6900-02	.5800-02	.6900-02	.3403-03	.2839-03	.3403-03	.2300	2.559	533.7
8	.53200	.90000	279.00	.8200-02	.6900-02	.8200-02	.4035-03	.3365-03	.4035-03	.2720	2.681	534.2
8	.76500	.10000*00	281.00	.3250-01	.2710-01	.3250-01	.1530-02	.1329-02	.1530-02	1.066	8.773	540.7
8	.76500	.30000	282.00	.2920-01	.2430-01	.2920-01	.1435-02	.1195-02	.1435-02	9600	7.909	539.6
8	.76500	.50000	283.00	.2790-01	.2330-01	.2790-01	.1371-02	.1142-02	.1371-02	9170	7.799	540.0
8	.76500	.70000	284.00	.1200-01	.1000-01	.1200-01	.5892-03	.4911-03	.5892-03	.3960	4.222	536.4
8	.90500	.10000*00	287.00	.2720-01	.2260-01	.2720-01	.1335-02	.1111-02	.1335-02	.8880	7.537	543.5
8	.90500	.50000	288.00	.1870-01	.1560-01	.1870-01	.9200-03	.7663-03	.9200-03	.6160	5.245	538.9

REPRODUCIBILITY OF THE
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AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

DATE 25 AUG 76

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 30.00 BETA = -2.000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
175	7.900	.5338	30.07	2.000	202.0	109.4	.1200-01	1274.	94.50	.5310	3763.	.1079-04
176	7.900	.5353	30.08	2.000	202.0	109.5	.1200-01	1272.	94.40	.5320	3761.	.1082-04
177	7.900	.5361	30.08	2.000	202.0	109.6	.1200-01	1272.	94.30	.5320	3760.	.1083-04

RUN NUMBER	MU	HREF BTU/ R FT2	ST FR R =
175	.7608-07	.1783-01	0.0175
176	.7598-07	.1784-01	.5531-01
177	.7595-07	.1785-01	.5527-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(14H) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
175	.29900	.10000+00	269.00	.2210-01	.1830-01	.2210-01	.3940-03	.3259-03	.3940-03	.2440	2.028	525.5
176	.53200	.00000	274.00	.4150-01	.3440-01	.4150-01	.7397-03	.6132-03	.7397-03	.4560	3.449	528.4
176	.53200	.10000+00	275.00	.2560-01	.2130-01	.2560-01	.4573-03	.3794-03	.4573-03	.2830	2.354	525.4
176	.53200	.50000	277.00	.1000-01	.8300-02	.1000-01	.1776-03	.1474-03	.1776-03	.1100	.8870	524.7
176	.53200	.70000	278.00	.7600-02	.6300-02	.7600-02	.1363-03	.1131-03	.1363-03	.8500-01	.9490	524.0
176	.53200	.90000	279.00	.6500-02	.5700-02	.6300-02	.1234-03	.1024-03	.1234-03	.7700-01	.7590	524.5
176	.76500	.10000+00	281.00	.2520-01	.2090-01	.2520-01	.4488-03	.3722-03	.4488-03	.2780	2.304	526.6
176	.76500	.30000	282.00	.1870-01	.1552-01	.1870-01	.3328-03	.2760-03	.3328-03	.2060	1.710	526.3
176	.76500	.50000	283.00	.1540-01	.1270-01	.1540-01	.2741-03	.2274-03	.2741-03	.1700	1.456	526.0
176	.76500	.70000	284.00	.8200-02	.6800-02	.8200-02	.1455-03	.1207-03	.1455-03	.9000-01	.9660	527.5
176	.90500	.10000+00	287.00	.1640-01	.1360-01	.1640-01	.2924-03	.2424-03	.2924-03	.1810	1.548	527.5
176	.90500	.50000	288.00	.1080-01	.9000-02	.1080-01	.1934-03	.1604-03	.1934-03	.1200	1.027	526.2

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1384

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T041)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 30.00 BETA = -2.000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TC DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
148	7.940	1.024	30.06	2.000	202.0	211.1	.2300-01	1267.	93.10	1.002	3754.	.2046-04
149	7.940	1.038	30.08	2.000	202.0	211.6	.2300-01	1258.	92.40	1.004	3740.	.2066-04
150	7.940	1.055	30.09	2.000	202.0	213.9	.2300-01	1253.	92.10	1.015	3734.	.2095-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
148	.7496-07		.2447-01	0.0175
149	.7440-07		.2447-01	.4020-01
150	.7416-07		.2459-01	.3997-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1TAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
149	.29300	.10000+00	269.00	.1830-01	.1510-01	.1830-01	.4476-03	.3695-03	.4476-03	.2660	2.196	537.0
149	.29300	.50000	271.00	.7100-02	.5800-02	.7100-02	.1727-03	.1426-03	.1727-03	.2660	2.196	536.0
149	.53200	.00000	274.00	.3210-01	.2840-01	.3210-01	.7842-03	.6468-03	.7842-03	.4640	3.482	540.2
149	.53200	.10000+00	275.00	.2330-01	.1930-01	.2330-01	.5710-03	.4713-03	.5710-03	.3400	2.800	537.1
149	.53200	.50000	277.00	.1190-01	.9800-02	.1190-01	.2912-03	.2404-03	.2912-03	.1730	1.386	536.2
149	.53200	.70000	278.00	.4700-02	.3800-02	.4700-02	.1140-03	.9413-04	.1140-03	.6800-01	.7560	535.6
149	.53200	.90000	279.00	.7200-02	.6000-02	.7200-02	.1771-03	.1462-03	.1771-03	.1060	1.038	535.8
149	.76500	.10000+00	281.00	.2510-01	.2070-01	.2510-01	.6141-03	.5068-03	.6141-03	.3650	3.005	533.1
149	.76500	.30000	282.00	.1810-01	.1490-01	.1810-01	.4419-03	.3647-03	.4419-03	.2630	2.167	537.3
149	.76500	.50000	283.00	.1740-01	.1430-01	.1740-01	.4247-03	.3505-03	.4247-03	.2520	2.151	537.5
149	.76500	.70000	284.00	.1000-01	.8300-02	.1000-01	.2446-03	.2019-03	.2446-03	.1450	1.549	537.3
149	.90500	.10000+00	287.00	.2220-01	.1830-01	.2220-01	.5435-03	.4484-03	.5435-03	.3220	2.743	539.0
149	.90500	.50000	288.00	.1370-01	.1130-01	.1370-01	.3362-03	.2775-03	.3362-03	.2000	1.702	537.6

DATE 25 AUG 76 AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 30.00 BETA = -2.000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
94	7.980	2.012	30.07	2.000	202.0	429.7	.4500-01	1286.	93.60	1.994	3784.	.4008-04
95	7.980	2.009	30.09	2.000	202.0	431.0	.4500-01	1290.	93.90	2.000	3789.	.4009-04
96	7.980	2.020	30.07	2.000	202.0	434.1	.4500-01	1291.	94.00	2.014	3791.	.4033-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
94	.7538-07	.3462-01	0.0175
95	.7560-07	.3468-01	.2876-01
96	.7569-07	.3482-01	.2877-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(9T0) BTU/ R FT2SEC	H(T0) BTU/ R FT2SEC	H(TAM) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
95	.29300	.10000+00	269.00	.1380-01	.1140-01	.1380-01	.4774-03	.3970-03	.4774-03	.3040	2.528	523.8
95	.29900	.50000	271.00	.7600-02	.6300-02	.7600-02	.2646-03	.2201-03	.2646-03	.1690	1.407	522.0
95	.53200	.00000	274.00	.3990-01	.3310-01	.3990-01	.1383-02	.1148-02	.1383-02	.8710	6.573	531.0
95	.53200	.10000+00	275.00	.2650-01	.2210-01	.2650-01	.9228-03	.7671-03	.9228-03	.5870	4.874	525.0
95	.53200	.50000	277.00	.1570-01	.1310-01	.1570-01	.5443-03	.4527-03	.5443-03	.3470	2.797	523.0
95	.53200	.70000	278.00	.9300-02	.7700-02	.9300-02	.3208-03	.2669-03	.3208-03	.2050	2.296	522.6
95	.53200	.90000	279.00	.1330-01	.1110-01	.1330-01	.4621-03	.3843-03	.4621-03	.2950	2.923	523.0
95	.76500	.10000+00	281.00	.3780-01	.3140-01	.3780-01	.1313-02	.1090-02	.1313-02	.8310	6.889	527.9
95	.76500	.30000	282.00	.3060-01	.2560-01	.3060-01	.1069-02	.8887-03	.1069-02	.6780	5.630	526.5
95	.76500	.50000	283.00	.2830-01	.2330-01	.2830-01	.9979-03	.8292-03	.9979-03	.6330	5.425	526.8
95	.76500	.70000	284.00	.1410-01	.1170-01	.1410-01	.4898-03	.4072-03	.4898-03	.3110	3.341	525.1
95	.90500	.10000+00	287.00	.3350-01	.2780-01	.3350-01	.1160-02	.9635-03	.1160-02	.7320	6.267	529.8
95	.90500	.50000	288.00	.2280-01	.1900-01	.2280-01	.7924-03	.6583-03	.7924-03	.5020	4.302	527.4

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1386

(RV1T04)

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 30.00 BETA = -2.000 ELEVTR = .0000 SPDBRK = .0000
BOFLAP = .0000 NACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
10	8.000	3.744	30.10	2.000	202.0	863.6	.3800-01	1348.	97.70	3.963	3874.	.7600-04
11	8.000	3.738	30.08	2.000	202.0	863.0	.8800-01	1349.	97.70	3.960	3875.	.7589-04
12	8.000	3.737	30.09	2.000	202.0	862.9	.8800-01	1349.	97.70	3.960	3875.	.7588-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =
10	.7863-07	.4920-01	.0175
11	.7868-07	.4919-01	.2099-01
12	.7869-07	.4919-01	.2101-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H19T01 BTU/ R FT2SEC	H1T01 BTU/ R FT2SEC	H1TAM1 BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
11	.29300	.10000+00	269.00	.1420-01	.1190-01	.1420-01	.7007-03	.5841-03	.7007-03	.4730	3.900	538.3
11	.29900	.50000	271.00	.6000-02	.5000-02	.6000-02	.2971-03	.2479-03	.2971-03	.2020	1.667	534.5
11	.53200	.00000	274.00	.5050-01	.4200-01	.5060-01	.2489-02	.2067-02	.2489-02	1.646	12.27	552.2
11	.53200	.10000+00	275.00	.3300-01	.2750-01	.3300-01	.1624-02	.1352-02	.1624-02	1.052	8.977	541.5
11	.53200	.50000	277.00	.3460-01	.2890-01	.3460-01	.1704-02	.1420-02	.1704-02	1.147	9.142	540.7
11	.53200	.70000	278.00	.1280-01	.1050-01	.1280-01	.6274-03	.5231-03	.6274-03	.4250	4.720	536.9
11	.53200	.90000	279.00	.1120-01	.9300-02	.1120-01	.5499-03	.4581-03	.5499-03	.3720	3.659	537.0
11	.76500	.10000+00	281.00	.4930-01	.4110-01	.4930-01	.2427-02	.2019-02	.2427-02	1.522	13.30	545.7
11	.76500	.30000	282.00	.3680-01	.3060-01	.3680-01	.1809-02	.1253-02	.1809-02	1.011	9.992	541.9
11	.76500	.50000	283.00	.3060-01	.2550-01	.3060-01	.1505-02	.1253-02	.1505-02	1.011	8.595	541.6
11	.76500	.70000	284.00	.1350-01	.1120-01	.1350-01	.6624-03	.5521-03	.6624-03	.4470	4.757	538.8
11	.90500	.10000+00	287.00	.3520-01	.2930-01	.3520-01	.1730-02	.1440-02	.1730-02	1.156	9.797	545.8
11	.90500	.50000	288.00	.2560-01	.2130-01	.2560-01	.1253-02	.1047-02	.1258-02	.8440	7.162	543.1

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1387

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1705)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
178	7.900	.5382	35.08	.0000	180.0	109.8	.1200-01	1270.	94.20	.5330	3757.	.1086-04
179	7.900	.5388	35.09	.0000	180.0	109.8	.1200-01	1269.	94.10	.5330	3756.	.1087-04
180	7.900	.5428	35.09	.0000	180.0	110.7	.1200-01	1270.	94.20	.5370	3757.	.1096-04

RUN NUMBER	MU	HREF BTU/ R	ST FR R =
178	7585-07	.1786-01	0.0175
179	7580-07	.1786-01	.5517-01
180	7583-07	.1793-01	.5494-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TH DEG. R
178	.29900	.10000+00	269.00	.1360-01	.1130-01	.1360-01	.2431-03	.2017-03	.2431-03	.1510	1.253	522.7
179	.29900	.50000	271.00	.1180-01	.9800-02	.1180-01	.2098-03	.1742-03	.2098-03	.1300	1.083	522.0
179	.53200	.00000	274.00	.3830-01	.3180-01	.3830-01	.6847-03	.5675-03	.6847-03	.4210	3.183	527.6
179	.53200	.10000+00	275.00	.1440-01	.1190-01	.1440-01	.2564-03	.2128-03	.2564-03	.1590	1.318	523.9
179	.53200	.50000	277.00	.5900-02	.4900-02	.5900-02	.1044-03	.8665-04	.1044-03	.6500-01	.5200	524.0
179	.53200	.70000	278.00	.7000-03	.6000-03	.7000-03	.1194-04	.9909-05	.1194-04	.7000-02	.8300-01	523.9
179	.53200	.90000	279.00	.4600-02	.3800-02	.4600-02	.8190-04	.6796-04	.8190-04	.5100-01	.5020	523.7
179	.76500	.10000+00	281.00	.2250-01	.1900-01	.2250-01	.4093-03	.3394-03	.4093-03	.2520	2.096	525.5
179	.76500	.30000	282.00	.1650-01	.1370-01	.1650-01	.2942-03	.2440-03	.2942-03	.1820	1.508	525.4
179	.76500	.50000	283.00	.1180-01	.9800-02	.1180-01	.2115-03	.1754-03	.2115-03	.1310	1.120	525.2
179	.76500	.70000	284.00	.5600-02	.4800-02	.5600-02	.1034-03	.8578-04	.1034-03	.6400-01	.6840	525.6
179	.90500	.10000+00	287.00	.2540-01	.2110-01	.2540-01	.4540-03	.3753-03	.4540-03	.2790	2.394	527.2
175	.90500	.50000	288.00	.1460-01	.1210-01	.1460-01	.209-03	.2163-03	.2609-03	.1610	1.376	526.9

VERTICAL TAIL

04-498 (AEDC V418-57A) ORBITER VERTICAL TAIL

(RV1T05)

PARAMETRIC DATA

ALPHA =	35.03	BETA	=	.0000	ELEVTR	=	.0000	SPDBRK	=	.0000
BDFLAP =	.0003	MACH	=	8.000						

...TEST CONDIT IONS...

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
151	7.940	1.049	35.08	.0000	180.0	211.9	.2300-01	1250.	91.90	1.006	3759.	.2081-04
152	7.940	1.043	35.09	.0000	180.0	211.7	.2300-01	1254.	92.20	1.005	3735.	.2072-04
153	7.940	1.029	35.09	.0000	180.0	210.3	.2300-01	1260.	92.60	.9980	3744.	.2049-04

...TEST DATA...

Run Number	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAH)	H(9TO) BTU/ R F12SEC	H(10) BTU/ R F12SEC	H(TAH) BTU/ R F12SEC	QDOT BTU/ R F12SEC	DTWOT DEG. R /SEC	TW DFG. R
152	.25900	.10000+00	269.00	.1250-01	.1030-01	.1250-01	.3058-03	.2523-03	.3058-03	.1810	1.493	536.8
152	.53200	.00000	274.00	.3510-01	.2890-01	.3510-01	.8592-03	.7081-03	.8592-03	.5050	3.788	541.2
152	.53200	.10000+00	275.00	.1580-01	.1390-01	.1680-01	.4108-03	.3390-03	.4108-03	.2430	2.007	536.7
152	.53200	.50000	277.00	.9200-02	.7600-02	.9200-02	.2258-03	.1864-03	.2258-03	.1340	1.071	535.7
152	.53200	.70000	278.00	.3300-02	.2700-02	.3300-02	.8028-04	.6628-04	.8028-04	.4800-01	.5310	535.0
152	.53200	.90000	279.00	.3400-02	.4300-02	.5200-02	.1283-03	.1059-03	.1283-03	.7600-01	.7490	535.6
152	.76500	.10000+00	281.00	.3870-01	.3190-01	.3870-01	.9477-03	.7815-03	.9477-03	.5590	4.604	539.1
152	.76500	.30000	282.00	.3150-01	.2600-01	.3150-01	.7702-03	.6352-03	.7702-03	.4550	3.746	538.6
152	.76500	.50000	283.00	.2600-01	.2140-01	.2600-01	.6356-03	.5243-03	.6356-03	.3750	3.197	538.2
152	.76500	.70000	284.00	.1260-01	.1040-01	.1260-01	.3078-03	.2539-03	.3078-03	.1820	1.937	537.8
152	.90500	.10000+00	287.00	.2690-01	.2220-01	.2690-01	.5582-03	.4336-03	.6592-03	.3890	3.309	539.1
152	.90500	.50000	288.00	.2640-01	.2170-01	.2640-01	.6451-03	.5320-03	.6451-03	.3810	3.240	539.0

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1389

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1105)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 SPDRBK = .0000
 BOFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL -EG.	PO PSIA	P PSIA	TO DEC. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
127	7.970	1.506	35.09	.0000	1LJ-0	320.3	.3400-01	1286.	93.80	1.495	3783.	.3007-04
128	7.970	1.508	35.07	.0000	180.0	323.0	.3400-01	1291.	94.20	1.508	3791.	.3019-04
129	7.970	1.493	35.06	.0000	180.0	320.0	.3400-01	1292.	94.30	1.494	3792.	.2989-04

RUN NUMBER	HJ LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
127	.7553-07	.2997-01	0.0175
128	.7587-07	.3012-01	.3321-01
129	.7592-07	.2998-01	.3332-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(1AW) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTMDT DEG. R /SEC	TH DEG. R
128	.29300	.10000+00	269.00	.1020-01	.8400-02	.1020-01	.3069-03	.2544-03	.3069-03	.1920	1.583	536.8
128	.29300	.50000	271.00	.3500-02	.2900-02	.3500-02	.1068-03	.8857-04	.1068-03	.6700-01	.5550	533.3
128	.53200	.00000	274.00	.3540-01	.2930-01	.3540-01	.1065-02	.8814-03	.1065-02	.6600	4.944	542.8
128	.53200	.10000+00	275.00	.1930-01	.1600-01	.1930-01	.5805-03	.4811-03	.5805-03	.3630	2.990	537.5
128	.53200	.50000	277.00	.1360-01	.1130-01	.1360-01	.4111-03	.3408-03	.4111-03	.2570	2.057	536.3
128	.53200	.70000	278.00	.3600-02	.3000-02	.3600-02	.1095-03	.9080-04	.1095-03	.6900-01	.7620	536.3
128	.53200	.90000	279.00	.6300-02	.5200-02	.6300-02	.1504-03	.1578-03	.1504-03	.1190	1.173	535.9
128	.76500	.10000+00	281.00	.4120-01	.3410-01	.4120-01	.1241-02	.1028-02	.1241-02	.7720	6.353	540.5
128	.76500	.30000	282.00	.2430-01	.2840-01	.3430-01	.8566-03	.1034-02	.1034-02	.6440	5.305	539.5
128	.76500	.50000	283.00	.2850-01	.2360-01	.2850-01	.8576-03	.7103-03	.8576-03	.5340	4.546	539.4
128	.76500	.70000	284.00	.2000-01	.1660-01	.2000-01	.6030-03	.4935-03	.6030-03	.3760	3.996	539.3
128	.90500	.10000+00	287.00	.3040-01	.2520-01	.3040-01	.9147-03	.7576-03	.9147-03	.5700	4.847	539.6
126	.90500	.50000	288.00	.2380-01	.1970-01	.2380-01	.7168-03	.5937-03	.7168-03	.4460	3.798	539.5

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1390

VERTICAL TAIL

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1705)

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 ⁶ /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
97	7.980	2.007	35.11	.0000	180.0	431.8	.4500-01	1293.	94.10	2.004	3793.	.4008-04
98	7.980	2.013	35.10	.0000	180.0	433.5	.4500-01	1293.	94.20	2.012	3794.	.4021-04
99	7.980	2.012	35.11	.0000	180.0	433.5	.4500-01	1293.	94.10	2.011	3794.	.4020-04

RUN NUMBER	MU	LB-SEC /FT ²	HREF BTU/ R	ST FR R =
97	.7576-07	.3473-01	0.0175	.2878-01
98	.7580-07	.3480-01	.2873-01	.2873-01
99	.7579-07	.3479-01	.2873-01	.2873-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF F=1.0	H/HREF (TAN)	H1STO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAH) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TM DEG. R
98	.25303	.10000+00	269.00	.9500-02	.7900-02	.9500-02	.3304-03	.2748-03	.3304-03	.2110	1.754	524.8
98	.29900	.50000	271.00	.9200-02	.1800-02	.2200-02	.7546-04	.6283-04	.7546-04	.4900-01	.4040	520.9
98	.53200	.00030	274.00	.4250-01	.3520-01	.4250-01	.1478-02	.1226-02	.1478-02	.9320	7.023	533.3
98	.53200	.10000+00	275.00	.2510-01	.2030-01	.2510-01	.8738-03	.7264-03	.8738-03	.5570	4.624	526.4
98	.53200	.50000	277.00	.1980-01	.1650-01	.1980-01	.6837-03	.5736-03	.6837-03	.4410	3.545	525.2
98	.53200	.70000	278.00	.5800-02	.4900-02	.5800-02	.2031-03	.1690-03	.2031-03	.1300	1.460	522.7
98	.65000	.50000	279.00	.6400-02	.5300-02	.6400-02	.2225-03	.1851-03	.2225-03	.1420	1.411	524.0
98	.76500	.10000+00	281.00	.3900-01	.3150-01	.3900-01	.1333-02	.1059-02	.1333-02	.8390	6.944	530.2
98	.76500	.30000	282.00	.3690-01	.3070-01	.3690-01	.1285-02	.1067-02	.1285-02	.8150	6.756	529.3
98	.76500	.50000	283.00	.3140-01	.2610-01	.3140-01	.1093-02	.9083-03	.1093-02	.6940	5.938	529.6
98	.90500	.70000	284.00	.2170-01	.1800-01	.2170-01	.7540-03	.6265-03	.7540-03	.4790	5.128	528.7
98	.90500	.10000+00	287.00	.2720-01	.2260-01	.2720-01	.9480-03	.7874-03	.9480-03	.6010	5.143	530.1
96	.90500	.50000	288.00	.2270-01	.1880-01	.2270-01	.7895-03	.6557-03	.7895-03	.5010	4.284	529.9

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 25 AUG 76 AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 SPDRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
76	7.930	2.507	35.10	.0000	180.0	544.5	.5600-01	1297.	94.20	2.513	3801.	.5006-04
77	7.990	2.500	35.09	.0000	180.0	545.9	.5600-01	1302.	94.60	2.519	3807.	.5001-04
78	7.990	2.494	35.08	.0000	180.0	547.4	.5700-01	1307.	94.90	2.526	3814.	.4997-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R *
76	.7587-07		.3892-01	0.0175
77	.7614-07		.3899-01	.2578-01
78	.7641-07		.3907-01	.2580-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	COOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
77	.29900	.10000+00	269.00	.1010-01	.8400-02	.1010-01	.3925-03	.3265-03	.3925-03	.2530	2.094	528.4
77	.53200	.00000	274.00	.4730-01	.3930-01	.4730-01	.1846-02	.1532-02	.1846-02	1.171	8.801	537.6
77	.53200	.10000+00	275.00	.3027-01	.2510-01	.3020-01	.1176-02	.9777-03	.1176-02	.7540	6.245	530.6
77	.53200	.50000	277.00	.2650-01	.2210-01	.2650-01	.1035-02	.8605-03	.1035-02	.6650	5.341	529.0
77	.53200	.70000	278.00	.9200-02	.7600-02	.9200-02	.3574-03	.2974-03	.3574-03	.2310	2.583	526.1
77	.53200	.90000	279.00	.8400-02	.7000-02	.8400-02	.3275-03	.2725-03	.3275-03	.2110	2.092	526.5
77	.76500	.10000+00	281.00	.3650-01	.3030-01	.3650-01	.1423-02	.1182-02	.1423-02	.9100	7.519	532.9
77	.76500	.30000	282.00	.3690-01	.3070-01	.3690-01	.1438-02	.1195-02	.1438-02	.9200	7.610	532.2
77	.76500	.50000	283.00	.3540-01	.2940-01	.3540-01	.1380-02	.1147-02	.1380-02	.8820	7.533	533.1
77	.76500	.70000	284.00	.1980-01	.1650-01	.1980-01	.7737-03	.6430-03	.7737-03	.4960	5.301	531.1
77	.90500	.10000+00	287.00	.2640-01	.2200-01	.2640-01	.1031-02	.8567-03	.1031-02	.6590	5.631	532.8
77	.90500	.50000	288.00	.2250-01	.1880-01	.2250-01	.8799-03	.7312-03	.8799-03	.5630	4.815	531.8

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1392

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1105)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
55	7.990	2.964	35.09	.0000	180.0	674.0	.7000-01	1338.	97.20	3.110	3859.	.6009-04
56	7.990	2.989	35.10	.0000	180.0	678.5	.7000-01	1336.	97.10	3.131	3857.	.6056-04
57	7.990	2.910	35.10	.0000	180.0	677.5	.7000-01	1359.	98.70	3.126	3890.	.5946-04

RUN NUMBER	MJ	LB-SEC /FT2	HREF BTU/ R	ST FR R =
55	.7824-07		4.353-01	0.0175
56	.7815-07		4.367-01	.2358-01
57	.7947-07		4.376-01	.2349-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H18TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	COOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TH DEG. R
55	.29900	.10000-00	209.00	.1080-01	.9000-02	.1080-01	.731-03	.3938-03	.4731-03	.3140	2.586	539.1
56	.29900	.50000	271.00	.1100-02	.9000-03	.1100-02	.4955-04	.4044-04	.4855-04	.3200-01	.2670	537.0
56	.53200	.00000	274.00	.4920-01	.4080-01	.4920-01	.2147-02	.1782-02	.2147-02	1.401	10.45	550.2
56	.53200	.10000-00	275.00	.3180-01	.2640-01	.3180-01	.1388-02	.1154-02	.1388-02	.9160	7.530	542.6
56	.53200	.50000	277.00	.2850-01	.2370-01	.2850-01	.1245-02	.1036-02	.1245-02	.8240	6.564	541.2
56	.53200	.70000	278.00	.9100-02	.7600-02	.9100-02	.3991-03	.3323-03	.3991-03	.2650	2.947	538.0
56	.53200	.90000	279.00	.9300-02	.7800-02	.9300-02	.4075-03	.3393-03	.4075-03	.2710	2.663	537.8
56	.76500	.10000-00	281.00	.3240-01	.2790-01	.3240-01	.1415-02	.1177-02	.1415-02	.9340	7.679	542.7
56	.76500	.30000	282.00	.3280-01	.2730-01	.3280-01	.1434-02	.1193-02	.1434-02	.9470	7.785	542.3
56	.76500	.50000	283.00	.3190-01	.2660-01	.3190-01	.1394-02	.1159-02	.1394-02	.9200	7.815	542.7
56	.76500	.70000	284.00	.1520-01	.1270-01	.1520-01	.6659-03	.5541-03	.6659-03	.4410	4.688	540.5
56	.90500	.10000-00	287.00	.2840-01	.2360-01	.2840-01	.1239-02	.1030-02	.1239-02	.8170	6.935	543.5
56	.90500	.50000	288.00	.2140-01	.1780-01	.2140-01	.9361-03	.7788-03	.9361-03	.6190	5.265	541.2

DATE 25 AUG 76

AEDC VWF V418-57A (OH-498) COLLATION DECK

PAGE 1393

VERTICAL TAIL

OH-498 (AEDC V418-57A) ORBITER VERTICAL TAIL

(RV1T05)

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 S73BRK = .0000
BOFLAF = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
37	8.000	3.351	35.13	.0000	180.0	760.0	.7800-01	1333.	96.60	3.487	3852.	.6763-04
38	8.000	3.325	35.08	.0000	180.0	759.7	.7800-01	1339.	97.00	3.486	3862.	.6728-04
39	8.000	3.320	35.08	.0000	180.0	759.7	.7800-01	1341.	97.10	3.486	3864.	.6721-04

RUN NUMBER	MU LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
37	.7775-07	.4606-01	0.0175
38	.7813-07	.4609-01	.2229-01
39	.7821-07	.4610-01	.2231-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(11AH) BTU/ R FT ² SEC	ODOT BTU/ R FT ² SEC	DTMOT DEG. R /SEC	TW DEG. R
38	.29900	.10000+00	269.00	.1170-01	.9800-02	.1170-01	.5403-03	.4494-03	.5403-03	.3580	2.941	542.8
38	.29900	.50000	271.00	.6300-02	.5300-02	.6300-02	.2912-03	.2424-03	.2912-03	.1940	1.597	539.3
38	.53200	.00000	274.00	.4880-01	.4040-01	.4880-01	.2247-02	.1864-02	.2247-02	1.462	10.87	554.9
38	.53200	.10000+00	275.00	.3060-01	.2540-01	.3060-01	.1409-02	.1171-02	.1409-02	.9290	7.616	546.2
38	.53200	.50000	277.00	.2910-01	.2420-01	.2910-01	.1342-02	.1116-02	.1342-02	.9870	7.053	544.5
38	.53200	.70000	278.00	.9900-02	.8200-02	.9900-02	.4542-03	.3779-03	.4542-03	.3010	3.337	542.2
38	.53200	.90000	279.00	.9100-02	.7600-02	.9100-02	.4213-03	.3506-03	.4213-03	.2800	2.745	541.1
38	.76500	.10000+00	281.00	.3440-01	.2860-01	.3440-01	.1586-02	.1318-02	.1586-02	1.045	8.573	546.2
38	.76500	.30000	282.00	.3150-01	.2620-01	.3150-01	.1454-02	.1209-02	.1454-02	.9590	7.870	545.5
38	.76500	.50000	283.00	.3050-01	.2540-01	.3050-01	.1407-02	.1170-02	.1407-02	.9280	7.861	546.1
38	.76500	.70000	284.00	.1580-01	.1310-01	.1580-01	.7273-03	.6049-03	.7273-03	.4810	5.105	543.6
38	.90500	.10000+00	287.00	.2990-01	.2480-01	.2990-01	.1377-02	.1144-02	.1377-02	.9060	7.667	547.7
38	.90500	.50000	288.00	.2090-01	.1740-01	.2090-01	.9646-03	.8020-03	.9646-03	.6370	5.407	544.4

DATE 25 AUG 76

AEDC VKF V41B-57A (04-498) COLLATION DECK

PAGE 1394

OH-498B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T05)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 35.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.5 /FT	ALPHA DEG.	YAW DEG.	FHI MODEL DEG.	P0 PSIA	P PSIA	TO DEG. "	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
13	8.000	3.704	35.12	.0000	180.0	861.2	.8800-01	1355.	98.20	3.952	3884.	.7539-04
14	8.000	3.695	35.12	.0000	180.0	861.7	.8800-01	1358.	98.40	3.954	3888.	.7527-04
15	8.000	3.681	35.12	.0000	180.0	861.4	.8800-01	1361.	98.60	3.953	3893.	.7507-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R	ST FR R =
13	.7904-07	.4918-01	0.0175
14	.7921-07	.4921-01	.2108-01
15	.7940-07	.4922-01	.2114-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
14	.20300	.10000+00	269.00	.1200-01	.1000-01	.1200-01	.5891-03	.4915-03	.5891-03	.4030	3.320	538.2
14	.29900	.50000	271.00	.2600-02	.2100-02	.2600-02	.1261-03	.1053-03	.1261-03	.8700-01	.7150	535.2
14	.53200	.00000	274.00	.4730-01	.3940-01	.4730-01	.2330-02	.1939-02	.2330-02	1.563	11.65	551.1
14	.53200	.10000+00	275.00	.3070-01	.2550-01	.3070-01	.1512-02	.1261-02	.1512-02	1.030	8.471	541.0
14	.53200	.50000	277.00	.3120-01	.2600-01	.3120-01	.1535-02	.1281-02	.1535-02	1.048	8.353	539.6
14	.53200	.70000	278.00	.9400-02	.7900-02	.9400-02	.4634-03	.3867-03	.4634-03	.3170	3.525	537.3
14	.53200	.90000	279.00	.9200-02	.7700-02	.9200-02	.4529-03	.3781-03	.4529-03	.3110	3.056	536.1
14	.76500	.10000+00	281.00	.3570-01	.2970-01	.3570-01	.1755-02	.1463-02	.1755-02	1.133	9.803	542.5
14	.76500	.30000	282.00	.3210-01	.2670-01	.3210-01	.1578-02	.1316-02	.1578-02	1.075	8.841	540.9
14	.76500	.50000	283.00	.2980-01	.2480-01	.2980-01	.1465-02	.1221-02	.1465-02	.9950	8.467	541.8
14	.76500	.70000	284.00	.1580-01	.1320-01	.1580-01	.7783-03	.6491-03	.7783-03	.5310	5.647	539.7
14	.90500	.10000+00	287.00	.2790-01	.2320-01	.2790-01	.1373-02	.1143-02	.1373-02	.9300	7.885	544.7
14	.90500	.50000	288.00	.2090-01	.1740-01	.2090-01	.1027-02	.8559-03	.1027-02	.6990	5.938	541.4

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DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1395

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1106)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
181	7.900	.5309	40.08	.0000	180.0	108.2	.1200-01	1269.	94.20	.5250	3756.	.1071-04
182	7.900	.5453	40.09	.0000	180.0	111.1	.1200-01	1269.	94.10	.5390	3756.	.1100-04
183	7.900	.5436	40.08	.0000	180.0	110.7	.1200-01	1269.	94.10	.5370	3755.	.1097-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
181	.7580-07	.1773-01	.5556-01	0.0175
182	.7578-07	.1796-01	.5482-01	
183	.7576-07	.1793-01	.5491-01	

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1970) BTU/ R FT2SEC	H170) BTU/ R FT2SEC	H17AH) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
182	.29900	.10000+00	269.00	.7900-02	.6600-02	.7900-02	.1427-03	.1183-03	.1427-03	.8800-01	.7280	527.2
182	.53200	.00000	274.00	.1810-01	.1500-01	.1810-01	.3251-03	.2694-03	.3251-03	.1990	1.506	529.1
182	.53200	.10000+00	275.00	.7400-02	.6100-02	.7400-02	.1324-03	.1098-03	.1324-03	.8100-01	.6760	526.8
182	.53200	.50000	277.00	.1900-02	.1600-02	.1900-02	.3487-04	.2891-04	.3487-04	.2100-01	.1730	526.2
182	.53200	.70000	278.00	.5300-02	.4400-02	.5300-02	.9457-04	.7841-04	.9457-04	.5800-01	.6520	526.3
182	.53200	.90000	279.00	.5400-02	.4500-02	.5400-02	.9659-04	.8039-04	.9659-04	.6000-01	.5900	527.2
182	.76500	.10030+00	281.00	.1240-01	.1030-01	.1240-01	.2234-03	.1851-03	.2234-03	.1370	1.137	528.4
182	.76500	.30000	282.00	.6400-02	.5300-02	.6400-02	.1152-03	.9545-04	.1152-03	.7100-01	.5860	528.2
182	.76500	.50000	283.00	.2700-02	.2200-02	.2700-02	.4761-04	.3946-04	.4761-04	.2900-01	.2510	527.6
182	.76500	.70000	284.00	.2600-02	.2300-02	.2600-02	.5072-04	.4203-04	.5072-04	.3100-01	.3340	528.1
182	.90500	.10000+00	287.00	.1540-01	.1270-01	.1540-01	.2759-03	.2285-03	.2759-03	.1690	1.445	530.0
182	.90500	.50000	288.00	.5200-02	.4300-02	.5200-02	.9318-04	.7721-04	.9318-04	.5700-01	.4900	528.7

DATE 25 AUG 76

AFDC VKF V41B-57A (C4-498) COLLATION DECK

PAGE 1396

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T06)

PARAMETRIC DATA

ALPHA = 40.30 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
154	7.940	1.027	40.07	.0000	180.0	211.6	.2300-01	1267.	93.10	1.004	3753.	.2051-04
155	7.940	1.013	40.11	.0000	180.0	209.8	.2300-01	1271.	93.40	.9960	3761.	.2026-04
156	7.940	1.023	40.08	.0000	180.0	210.3	.2300-01	1265.	93.00	.9980	3751.	.2041-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
154	.7493-07	.2450-01	0.0175
155	.7522-07	.2441-01	.4014-01
156	.7485-07	.2442-01	.4041-01

TEST DATA

RUN NUMBER	Z/BV	X/C	I/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
155	.29300	.1000+00	269.00	.7700-02	.6400-02	.7700-02	.1882-03	.1558-03	.1882-03	.1150	.9480	534.6
155	.29900	.50000	271.00	.4500-02	.3700-02	.4500-02	.1090-03	.9032-04	.1090-03	.6700-01	.5540	530.7
155	.53200	.00000	274.00	.1450-01	.1200-01	.1450-01	.3541-03	.2929-03	.3541-03	.2160	1.622	535.7
155	.53200	.1000+00	275.00	.6300-02	.5200-02	.6300-02	.1538-03	.1273-03	.1538-03	.9400-01	.7770	532.8
155	.53200	.50000	277.00	.3000-02	.2400-02	.3000-02	.7204-04	.5956-04	.7204-04	.4400-01	.3540	531.7
155	.53200	.75200	278.00	.1000-03	.1000-03	.1000-03	.1956-05	.1620-05	.1956-05	.1000-02	.1300-01	531.6
155	.53200	.50000	279.00	.6000-02	.4900-02	.6000-02	.1455-03	.1206-03	.1456-03	.8300-01	.8780	532.6
155	.76500	.1000+00	281.00	.1310-01	.1090-01	.1310-01	.3206-03	.2653-03	.3206-03	.1360	1.616	534.1
155	.76500	.30000	282.00	.8300-02	.6900-02	.8300-02	.2030-03	.1680-03	.2030-03	.1240	1.025	533.5
155	.76500	.50000	283.00	.6500-02	.5300-02	.6500-02	.1578-03	.1306-03	.1578-03	.9600-01	.8230	533.2
155	.76500	.70000	284.00	.3600-02	.3100-02	.3600-02	.3221-04	.2633-04	.3221-04	.5600-01	.6020	533.2
155	.90500	.1000+00	287.00	.2010-01	.1670-01	.2010-01	.4914-03	.4065-03	.4914-03	.2930	2.553	535.4
155	.90500	.50000	288.00	.9200-02	.7600-02	.9200-02	.2235-03	.1850-03	.2235-03	.1360	1.163	534.4

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION CECK

PAGE 1397

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1108)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
130	7.970	1.507	40.11	.0000	180.0	321.2	.3400-01	1287.	93.90	1.499	3785.	.3011-04
131	7.970	1.517	40.08	.0000	180.0	320.8	.3400-01	1281.	93.40	1.497	3775.	.3023-04
132	7.970	1.527	40.13	.0000	180.0	321.5	.3400-01	1277.	93.20	1.501	3770.	.3039-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =
130	.7563-07	.3002-01	0.0175
131	.7523-07	.2997-01	.3310-01
132	.7502-07	.2999-01	.3301-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	OTWOT DEG. R /SEC	TW DEG. R
131	.29300	.10000*00	269.00	.8200-02	.6800-02	.8200-02	.2466-03	.2041-03	.2466-03	.5000-02	1.252	537.1
131	.29300	.50000	271.00	.2000-03	.2000-03	.2000-03	.7458-05	.6178-05	.7458-05	.5000-01	.3800-01	534.4
131	.53200	.00000	274.00	.1950-01	.1610-01	.1950-01	.5842-03	.4831-03	.5842-03	.3580	2.685	540.2
131	.53200	.10000*00	275.00	.8200-02	.6800-02	.8200-02	.2472-03	.2047-03	.2472-03	.1520	1.257	535.3
131	.53200	.50000	277.00	.4200-02	.3500-02	.4200-02	.1250-03	.1035-03	.1250-03	.7700-01	.6170	535.5
131	.53200	.70000	278.00	.3800-02	.3100-02	.3800-02	.1131-03	.9364-04	.1131-03	.7000-01	.7750	536.1
131	.53200	.90000	279.00	.7200-02	.5900-02	.7200-02	.2150-03	.1780-03	.2150-03	.1320	1.303	536.5
131	.76500	.10000*00	281.00	.1850-01	.1530-01	.1850-01	.5537-03	.4582-03	.5537-03	.3400	2.804	538.1
131	.76500	.30000	282.00	.1240-01	.1030-01	.1240-01	.3718-03	.3077-03	.3718-03	.2290	1.884	537.7
131	.76500	.50000	283.00	.9500-02	.7900-02	.9500-02	.2852-03	.2361-03	.2852-03	.1760	1.496	537.1
131	.76500	.70000	284.00	.4400-02	.3600-02	.4400-02	.1312-03	.1086-03	.1312-03	.8100-01	.8600	537.0
131	.90500	.10000*00	287.00	.2410-01	.2000-01	.2410-01	.7231-03	.5981-03	.7231-03	.4430	3.769	539.9
131	.90500	.50000	288.00	.1470-01	.1210-01	.1470-01	.4396-03	.3638-03	.4396-03	.2700	2.300	538.2

DATE 25 AUG 76

AEDC VKF V41B-17A (OH-498) COLLATION DECK

PAGE 1398

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T06)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
100	7.980	2.007	40.07	.0000	180.0	431.9	.4500-01	1292.	94.10	2.004	3793.	.4009-04
101	7.980	2.001	40.11	.0000	180.0	431.0	.4500-01	1293.	94.10	2.000	3794.	.3999-04
102	7.980	2.006	40.09	.0000	180.0	432.0	.4500-01	1293.	94.20	2.005	3794.	.4008-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R	ST FR R =
100	.7576-07	.3473-01	0.0175
101	.7580-07	.3470-01	.2877-01
102	.7580-07	.3474-01	.2881-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
101	.29900	.10000+00	269.00	.7300-02	.5000-02	.7300-02	.2521-03	.2096-03	.2521-03	.1610	1.335	526.1
101	.29900	.50000	271.00	.2100-02	.1700-02	.2100-02	.7245-04	.6028-04	.7245-04	.4500-01	.3870	522.6
101	.53200	.00000	274.00	.3130-01	.2600-01	.3130-01	.1085-02	.9007-03	.1085-02	.6850	5.165	532.6
101	.53200	.10000+00	275.00	.1470-01	.1230-01	.1470-01	.5117-03	.4254-03	.5117-03	.3260	2.705	526.9
101	.53200	.50000	277.00	.5600-02	.4700-02	.5600-02	.1952-03	.1623-03	.1952-03	.1250	1.003	525.1
101	.53200	.70000	278.00	.3200-02	.2700-02	.3200-02	.1124-03	.9346-04	.1124-03	.7200-01	.8030	525.5
101	.53200	.90000	279.00	.7200-02	.6000-02	.7200-02	.2510-03	.2087-03	.2510-03	.1600	1.584	526.4
101	.76500	.10000+00	281.00	.3710-01	.3080-01	.3710-01	.1288-02	.1070-02	.1288-02	.8150	6.743	531.3
101	.76500	.30000	282.00	.2750-01	.2280-01	.2750-01	.9526-03	.7913-03	.9526-03	.6040	5.006	529.6
101	.76500	.50000	283.00	.1610-01	.1340-01	.1610-01	.5578-03	.4634-03	.5578-03	.3540	3.036	528.5
101	.76500	.70000	284.00	.5200-02	.4300-02	.5200-02	.1808-03	.1503-03	.1808-03	.1150	1.234	527.2
101	.90500	.10000+00	287.00	.4540-01	.3770-01	.4540-01	.1576-02	.1308-02	.1576-02	.9940	8.486	533.5
101	.90500	.50000	288.00	.2600-01	.2160-01	.2600-01	.3019-03	.7488-03	.3019-03	.5700	4.878	531.4

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1399

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T06)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPDRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
79	7.990	2.477	40.07	.0000	180.0	543.8	.5600-01	1307.	94.90	2.509	3814.	.4984-04
80	7.990	2.489	40.06	.0000	180.0	545.8	.5600-01	1306.	94.90	2.519	3813.	.4985-04
81	7.990	2.496	40.11	.0000	180.0	545.9	.5600-01	1304.	94.70	2.519	3810.	.4994-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
79	.7642-07	.3894-01	0.0175
80	.7637-07	.3901-01	.2583-01
81	.7624-07	.3900-01	.2580-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
80	.29900	.10000+00	269.00	.6800-02	.5600-02	.6800-02	.2635-03	.2193-03	.2635-03	.1710	1.416	527.5
80	.29900	.50000	271.00	.7000-03	.6000-03	.7000-03	.2786-04	.2321-04	.2786-04	.1800-01	.1510	523.3
80	.53200	.00000	274.00	.3640-01	.3030-01	.3640-01	.1421-02	.1180-02	.1421-02	.9090	6.842	535.5
80	.53200	.10000+00	275.00	.1820-01	.1520-01	.1820-01	.7105-03	.5912-03	.7105-03	.4600	3.812	528.2
80	.53200	.50000	277.00	.7000-02	.5800-02	.7000-02	.2735-03	.2277-03	.2735-03	.1780	1.429	525.7
80	.53200	.70000	278.00	.3700-02	.3000-02	.3700-02	.1428-03	.1189-03	.1428-03	.9300-01	1.040	524.9
80	.53200	.90000	279.00	.7500-02	.6300-02	.7500-02	.2934-03	.2442-03	.2934-03	.1900	1.883	526.7
80	.76500	.10000+00	281.00	.4510-01	.3750-01	.4510-01	.1761-02	.1464-02	.1761-02	1.132	9.362	532.5
80	.76500	.30000	282.00	.3470-01	.2890-01	.3470-01	.1355-02	.1126-02	.1355-02	.8730	7.224	531.0
80	.76500	.50000	283.00	.2040-01	.1700-01	.2040-01	.7961-03	.6623-03	.7961-03	.5140	4.404	529.2
80	.90500	.70000	284.00	.6100-02	.5100-02	.6100-02	.2386-03	.1986-03	.2386-03	.1550	1.657	527.4
80	.90500	.10000+00	287.00	.4950-01	.4110-01	.4950-01	.1931-02	.1604-02	.1931-02	1.237	10.56	534.8
80	.90500	.50000	288.00	.3090-01	.2570-01	.3090-01	.1204-02	.1001-02	.1204-02	.7740	6.613	532.6

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1400

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1706)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 40.03 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0003 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
58	7.990	2.924	40.10	.0000	180.0	675.7	.7000-01	1352.	98.20	3.118	3880.	.5960-04
59	7.990	2.951	40.13	.0000	180.0	676.3	.7000-01	1345.	97.70	3.121	3869.	.5998-04
60	7.990	2.935	40.06	.0000	180.0	676.9	.7000-01	1351.	98.10	3.124	3878.	.5979-04

RUN NUMBER	MU	HREF BTU/ R FT2	ST FR R =
58	.7908-07	.4357-01	0.0175
59	.7864-07	.4364-01	.2371-01
60	.7897-07	.4369-01	.2367-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(14W) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
59	.29300	.10000+00	269.00	.6700-02	.5600-02	.6700-02	.2921-03	.2437-03	.2921-03	.1980	1.633	533.8
59	.53200	.00000	274.00	.4080-01	.3390-01	.4080-01	.1779-02	.1481-02	.1779-02	1.188	8.902	542.8
59	.53200	.10003+00	275.00	.2220-01	.1850-01	.2220-01	.9671-03	.8067-03	.9671-03	.6540	5.401	534.3
59	.53200	.50000	277.00	.7700-02	.6400-02	.7700-02	.3372-03	.2814-03	.3372-03	.2290	1.836	531.2
59	.53200	.70000	278.00	.4400-02	.3700-02	.4400-02	.1914-03	.1598-03	.1914-03	.1300	1.454	529.9
59	.53200	.90000	279.00	.7700-02	.6400-02	.7700-02	.3357-03	.2802-03	.3357-03	.2280	2.249	531.3
59	.76500	.10000+00	281.00	.5370-01	.4470-01	.5370-01	.2343-02	.1952-02	.2343-02	1.572	12.94	539.5
59	.76500	.30000	282.00	.4350-01	.3600-01	.4320-01	.1886-02	.1572-02	.1886-02	1.271	10.49	536.4
59	.76500	.50000	283.00	.2660-01	.2220-01	.2660-01	.1162-02	.9694-03	.1162-02	.7850	6.699	535.0
59	.76500	.70000	284.00	.7300-02	.6100-02	.7300-02	.3170-03	.2645-03	.3170-03	.2150	2.286	531.8
59	.90500	.10000+00	287.00	.4690-01	.3910-01	.4690-01	.2047-02	.1705-02	.2047-02	1.373	11.68	539.5
59	.90500	.50000	288.00	.3610-01	.3010-01	.3610-01	.1577-02	.1315-02	.1577-02	1.062	9.045	537.3

REPRODUCIBILITY OF THIS
ORIGINAL PAGE IS POOR.

DATE 25 AUG 76 AEDC VKF V41B-57A (OH-49B) COLLATION DECK

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPDRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
40	8.000	3.332	40.06	.0000	180.0	760.6	.7800-01	1338.	97.00	3.490	3861.	.6739-04
41	8.000	3.313	40.10	.0000	180.0	759.9	.7800-01	1343.	97.30	3.487	3867.	.6712-04
42	8.000	3.334	40.11	.0000	180.0	759.7	.7800-01	1337.	96.90	3.486	3858.	.6740-04

RUN NUMBER	MJ LB-SEC. /FT2	HREF BTU/ R FT2SEC	ST FR R =
40	.7809-07	.4611-01	0.0175
41	.7833-07	.4612-01	.2227-01
42	.7799-07	.4608-01	.2227-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
41	.29900	.10000*00	269.00	.7300-02	.6000-02	.7300-02	.3346-03	.2706-03	.3346-03	.2230	1.839	540.3
41	.29900	.50000	271.00	.1400-02	.1200-02	.1400-02	.6643-04	.5537-04	.6643-04	.4500-01	3.680	536.1
41	.53200	.00000	274.00	.4310-01	.3570-01	.4310-01	.1985-02	.1648-02	.1985-02	1.304	9.721	551.5
41	.53200	.10000*00	275.00	.2500-01	.2080-01	.2500-01	.1155-02	.9608-03	.1155-02	.7690	6.320	542.4
41	.53200	.50000	277.00	.8800-02	.7300-02	.8800-02	.4039-03	.3365-03	.4039-03	.2710	2.160	538.4
41	.53200	.70000	278.00	.4000-02	.3300-02	.4000-02	.1842-03	.1535-03	.1842-03	.1240	1.373	537.7
41	.53200	.90000	279.00	.7900-02	.6600-02	.7900-02	.3637-03	.3029-03	.3637-03	.2430	2.391	539.0
41	.76500	.10000*00	281.00	.5540-01	.4610-01	.5540-01	.2557-02	.2124-02	.2557-02	1.688	13.82	548.3
41	.76500	.30000	282.00	.4790-01	.3980-01	.4790-01	.1373-02	.1836-02	.1373-02	1.464	12.01	545.0
41	.76500	.50000	283.00	.2930-01	.2480-01	.2930-01	.3973-03	.3308-03	.3973-03	.9130	7.745	543.7
41	.76500	.70000	284.00	.8600-02	.7200-02	.8600-02	.1662-02	.1631-02	.1662-02	2.660	2.825	539.7
41	.90500	.10000*00	287.00	.4250-01	.3540-01	.4250-01	.1962-02	.1631-02	.1962-02	1.297	10.99	547.1
41	.90500	.50000	288.00	.3580-01	.2980-01	.3580-01	.1652-02	.1374-02	.1652-02	1.096	9.294	545.1

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1402

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T06)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
16	8.000	3.693	40.11	.0000	180.0	862.5	.8800-01	1359.	98.50	3.958	3890.	.7527-04
17	8.000	3.708	40.11	.0000	180.0	860.6	.8800-01	1353.	98.10	3.949	3882.	.7542-04
18	8.000	3.710	40.13	.0000	180.0	860.4	.8800-01	1353.	98.00	3.948	3881.	.7543-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
16	.7929-07	.4924-01	.0175	.2111-01
17	.7995-07	.4915-01		.2108-01
18	.7892-07	.4914-01		.2107-01

TEST DATA

RUN NUMBER	Z/6/	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
17	.29300	.10000+00	269.00	.7200-02	.6000-02	.7200-02	.3539-03	.2951-03	.3539-03	.2410	1.982	538.3
17	.29900	.50000	271.00	.2500-02	.2100-02	.2500-02	.1227-03	.1024-03	.1227-03	.8400-01	.6910	535.5
17	.53200	.00000	274.00	.4600-01	.3820-01	.4600-01	.2261-02	.1879-02	.2261-02	1.509	11.25	550.5
17	.53200	.10000+00	275.00	.2430-01	.2030-01	.2430-01	.1195-02	.9959-03	.1195-02	.8100	6.667	540.0
17	.53200	.50000	277.00	.1070-01	.8900-02	.1070-01	.5235-03	.4358-03	.5235-03	.3570	2.853	536.1
17	.53200	.70000	278.00	.3800-02	.3200-02	.3800-02	.1686-03	.1574-03	.1686-03	.1290	1.435	534.6
17	.53200	.90000	279.00	.8400-02	.7000-02	.8400-02	.4120-03	.3437-03	.4120-03	.2810	2.763	536.3
17	.75500	.10000+00	281.00	.5560-01	.4630-01	.5560-01	.2731-02	.2274-02	.2731-02	1.836	15.07	545.7
17	.75500	.30000	282.00	.4640-01	.3870-01	.4640-01	.2281-02	.1900-02	.2281-02	1.541	12.67	542.3
17	.76500	.50000	283.00	.3040-01	.2540-01	.3040-01	.1495-02	.1246-02	.1495-02	1.013	8.611	540.7
17	.75500	.70000	284.00	.9400-02	.7800-02	.9400-02	.4613-03	.3848-03	.4613-03	.3140	3.343	537.4
17	.90500	.10000+00	287.00	.4160-01	.3470-01	.4160-01	.2015-02	.1703-02	.2045-02	1.377	11.68	544.5
17	.90500	.50000	288.00	.3570-01	.2980-01	.3570-01	.1756-02	.1463-02	.1756-02	1.185	10.07	542.8

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1403

(RV1107)

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 40.00 BETA = -2.000 ELEVTR = .0000 SPDBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
184	7.900	.5375	40.09	2.000	158.0	109.5	.1200-01	1269.	94.10	.5320	3756.	.1085-04
185	7.900	.5382	40.07	2.000	158.0	109.7	.1200-01	1269.	94.20	.5330	3756.	.1086-04
186	7.900	.5356	40.09	2.000	158.0	109.2	.1200-01	1270.	94.20	.5300	3757.	.1081-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
184	.7578-07	.1783-01	0.0175
185	.7580-07	.1785-01	.5522-01
186	.7582-07	.1781-01	.5518-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.3	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AN) BTU/ R FT2SEC	ODOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
185	.29900	.10000+00	269.00	.5000-02	.4200-02	.5000-02	.9005-04	.7473-04	.9005-04	.5600-01	.4640	523.1
185	.29900	.50000	271.00	.7900-02	.6500-02	.7900-02	.1404-03	.1166-03	.1404-03	.8700-01	.7250	522.4
185	.53200	.00000	274.00	.5100-02	.4200-02	.5100-02	.9085-04	.7538-04	.9085-04	.5600-01	.4260	523.9
185	.53200	.10000+00	275.00	.6800-02	.5500-02	.6800-02	.1207-03	.1002-03	.1207-03	.7500-01	.6210	523.5
185	.53200	.50000	277.00	.2800-02	.2300-02	.2800-02	.5030-04	.4174-04	.5030-04	.3100-01	.2510	523.1
185	.53200	.70000	278.00	.8000-03	.7000-03	.8000-03	.1421-04	.1179-04	.1421-04	.9000-02	.9300-01	523.7
185	.53200	.90000	279.00	.3100-02	.2600-02	.3100-02	.5551-04	.4606-04	.5551-04	.3400-01	.3400	523.7
185	.5500	.10000+00	281.00	.4390-01	.3640-01	.4390-01	.7826-03	.6488-03	.7826-03	.4810	3.995	527.2
185	.76500	.30000	282.00	.2920-01	.2420-01	.2920-01	.5219-03	.4327-03	.5219-03	.3220	2.670	526.1
185	.76500	.50000	283.00	.1910-01	.1580-01	.1910-01	.3403-03	.2821-03	.3403-03	.2100	1.799	526.1
185	.76500	.70000	284.00	.7600-02	.6300-02	.7600-02	.1358-03	.1126-03	.1358-03	.8400-01	.8980	525.7
185	.90500	.10000+00	287.00	.4750-01	.3940-01	.4750-01	.8464-03	.7030-03	.8464-03	.5210	4.460	528.7
185	.90500	.50000	288.00	.2780-01	.2300-01	.2780-01	.4961-03	.4112-03	.4961-03	.3050	2.614	527.5

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION CHECK

PAGE 1404

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T07)

PARAMETRIC DATA

ALPHA = 40.00 BETA = -2.000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	P0 PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
157	7.940	1.035	40.08	2.000	158.0	211.1	2300-01	1259.	92.50	1.002	3741.	.2059-04
158	7.940	1.025	40.08	2.000	158.0	209.2	2200-01	1259.	92.50	.930	3743.	.2040-04
159	7.940	1.018	40.09	2.000	158.0	207.9	2200-01	1260.	92.60	.9870	3743.	.2027-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
157	.7446-07	.2444-01	0.0175
158	.7450-07	.2434-01	.4023-01
159	.7452-07	.2426-01	.4036-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAN) BTU/ R FT2SEC	QOOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
158	.29300	.1000+00	269.00	.5300-02	.4300-02	.5300-02	.1279-03	.1057-03	.1279-03	.7700-01	.6350	532.7
158	.53200	.00000	274.03	.1130-01	.9300-02	.1130-01	.2744-03	.2268-03	.2744-03	.1650	1.239	533.9
158	.53200	.1000+00	275.00	.1700-01	.1410-01	.1700-01	.4141-03	.3423-03	.4141-03	.2490	2.056	532.9
158	.53200	.50000	277.00	.5900-02	.4900-02	.5900-02	.1437-03	.1188-03	.1437-03	.8600-01	.6920	532.4
158	.53200	.70000	278.00	.3200-02	.2700-02	.3200-02	.7810-04	.6458-04	.7810-04	.4700-01	.5240	531.8
158	.53200	.90000	279.00	.4000-02	.3300-02	.4000-02	.9344-04	.8139-04	.9344-04	.5900-01	.5830	532.4
158	.76500	.1000+00	281.00	.5200-01	.4310-01	.5200-01	.1271-02	.1050-02	.1271-02	.7580	6.257	536.6
158	.76500	.30000	282.00	.5160-01	.4260-01	.5160-01	.1256-02	.1038-02	.1256-02	.7500	6.189	536.3
158	.76500	.50000	283.00	.2950-01	.2470-01	.2950-01	.7268-03	.6003-03	.7268-03	.4350	3.706	535.5
158	.90500	.70000	284.00	.7500-02	.6500-02	.7500-02	.1922-03	.1588-03	.1922-03	.1150	1.231	533.5
158	.90500	.1000+00	287.00	.3030-01	.2500-01	.3030-01	.7379-03	.6094-03	.7379-03	.4410	3.761	535.8
158	.90500	.50000	288.00	.4170-01	.3450-01	.4170-01	.1016-02	.8391-03	.1016-02	.6070	5.173	536.2

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1405

(RV1107)

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 40.00 BETA = -2.000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEC.	YAW DEC.	PHI MODEL DEC.	PO PSIA	P PSIA	TO DEC. R	T DEC. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
103	7.980	2.042	40.02	2.000	158.0	439.6	.4600-01	1293.	94.10	2.040	3794.	.4079-04
104	7.980	1.996	40.08	2.000	158.0	429.3	.4500-01	1292.	94.10	1.992	3793.	.3986-04
105	7.980	2.008	40.04	2.000	158.0	431.8	.4500-01	1292.	94.00	2.004	3792.	.4010-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
103	.7579-07	.3504-01	.3504-01	0.0175
104	.7574-07	.3463-01	.3463-01	.2886-01
105	.7572-07	.3473-01	.3473-01	.2877-01

TEST DATA

RUN NUMBER	Z/8V	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	ODOT BTU/ R FT2SEC	DTWOT DEC. R /SEC	TM DEC. R
104	.29300	.10000+00	269.00	.8700-02	.7200-02	.8700-02	.2995-03	.2491-03	.2995-03	.1910	1.587	525.2
104	.29900	.50000	271.00	.2800-02	.2300-02	.2800-02	.9716-04	.8088-04	.9716-04	.6200-01	.5190	521.2
104	.53200	.00000	274.00	.4350-01	.3610-01	.4350-01	.1507-02	.1250-02	.1507-02	.9490	7.154	533.1
104	.53200	.10000+00	275.00	.4750-01	.3950-01	.4750-01	.1645-02	.1366-02	.1645-02	1.042	8.635	529.4
104	.53200	.50000	277.00	.1740-01	.1450-01	.1740-01	.6027-03	.5011-03	.6027-03	.3840	3.052	525.4
104	.53200	.70000	278.00	.3100-02	.2600-02	.3100-02	.1090-03	.9069-04	.1090-03	.7000-01	.7810	524.0
104	.53200	.90000	279.00	.6600-02	.5500-02	.6600-02	.2274-03	.1891-03	.2274-03	.1450	1.438	524.8
104	.76500	.10000+00	281.00	.3150-01	.2610-01	.3150-01	.1089-02	.9049-03	.1089-02	.6910	5.727	528.7
104	.76500	.30000	282.00	.3830-01	.3160-01	.3830-01	.1327-02	.1102-02	.1327-02	.6410	6.967	529.3
104	.76500	.50000	283.00	.4610-01	.3830-01	.4610-01	.1597-02	.1326-02	.1597-02	1.010	8.638	530.9
104	.76500	.70000	284.00	.1630-01	.1350-01	.1630-01	.5643-03	.4688-03	.5643-03	.3580	3.839	528.0
104	.90500	.10000+00	287.00	.2640-01	.2190-01	.2640-01	.9148-03	.7596-03	.9148-03	.5790	4.953	530.3
104	.90500	.50000	288.00	.2360-01	.1980-01	.2360-01	.8234-03	.6840-03	.8234-03	.5220	4.470	529.0

AEDC W6F V418-57A (OH-498) COLLATION DECK

DATE 25 AUG 76

OH-498 (AEDC V418-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 40.00 BETA = -2.000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
19	8.000	3.727	40.08	2.000	158.0	862.2	.8800-01	1350.	97.90	3.957	3878.	.7572-04
20	8.000	3.720	40.13	2.000	158.0	861.5	.8800-01	1351.	97.90	3.953	3879.	.7560-04
21	8.000	3.727	40.12	2.100	158.0	862.4	.8800-01	1351.	97.90	3.958	3878.	.7573-04

RUN NUMBER	MU LB SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
19	.7879-07	.4918-01	0.0175
20	.7885-07	.4916-01	.2103-01
21	.7879-07	.4918-01	.2103-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAM) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TM DEG. R
20	.29300	.10000+00	269.00	.1310-01	.1090-01	.1310-01	.6440-03	.5371-03	.6440-03	.4370	3.606	537.3
20	.29300	.50000	271.00	.3300-02	.2800-02	.3300-02	.1636-03	.1365-03	.1636-03	.1120	.9220	534.2
20	.53200	.00000	274.00	.3770-01	.3140-01	.3770-01	.1856-02	.1544-02	.1856-02	1.242	9.284	546.9
20	.53200	.10000+00	275.00	.4590-01	.3820-01	.4590-01	.2255-02	.1879-02	.2255-02	1.521	12.51	541.8
20	.53200	.50000	277.00	.4090-01	.3410-01	.4090-01	.2010-02	.1675-02	.2010-02	1.359	10.84	540.2
20	.53200	.70000	278.00	.1290-01	.1080-01	.1290-01	.6346-03	.5294-03	.6346-03	.4320	4.798	536.4
20	.53200	.90000	279.00	.1000-01	.8400-02	.1000-01	.4933-03	.4116-03	.4933-03	.3360	3.306	535.
20	.76500	.10000+00	281.00	.3390-01	.2820-01	.3390-01	.1666-02	.1389-02	.1666-02	1.127	9.273	540.2
20	.76500	.30000	282.00	.2990-01	.2500-01	.2990-01	.1472-02	.1227-02	.1472-02	.9970	8.217	538.6
20	.76500	.50000	283.00	.2300-01	.2750-01	.2300-01	.1624-02	.1353-02	.1624-02	1.098	9.345	539.8
20	.76500	.70000	284.00	.1920-01	.1600-01	.1920-01	.9450-03	.7878-03	.9450-03	.6400	6.814	538.7
20	.90500	.10000+00	287.00	.6630-01	.5520-01	.6630-01	.3259-02	.2712-02	.3259-02	2.184	18.50	546.3
20	.90500	.50000	288.00	.1740-01	.1450-01	.1740-01	.8560-03	.7137-03	.8560-03	.5800	4.941	538.4

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DATE 25 AUG 76

AEDC WKF V41B-57A (04-498) COLLATION DECK

PAGE 1407

(RV1708)

04-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPDRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	IN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
187	7.900	.5170	45.08	.0000	180.0	105.3	.1200-01	1269.	94.10	.5110	3755.	.1043-04
188	7.900	.5330	45.08	.0000	180.0	108.8	.1200-01	1271.	94.30	.5280	3758.	.1076-04
189	7.900	.5601	45.11	.0000	180.0	114.4	.1300-01	1271.	94.30	.5550	3759.	.1131-04

RUN NUMBER	MU	LB-SEC /FT ²	ST FR R =
187	.7577-07	.1748-01	0.0175
188	.7588-07	.1778-01	.5630-01
189	.7591-07	.1823-01	.5544-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTADT DEG. R /SEC	TW DEG. R
188	.29900	.10000+00	269.00	.5900-02	.4900-02	.5900-02	.1057-03	.8766-04	.1057-03	.6500-01	.5430	524.7
188	.29900	.50000	271.00	.4000-02	.3300-02	.4000-02	.7162-04	.5946-04	.7162-04	.4500-01	.3700	522.1
188	.53200	.00000	274.00	.1500-01	.1250-01	.1500-01	.2670-03	.2214-03	.2670-03	.1650	1.248	525.9
188	.53200	.10000+00	275.00	.5900-02	.4900-02	.5900-02	.1050-03	.8710-04	.1050-03	.6500-01	.5400	524.6
188	.53200	.50000	277.00	.4300-02	.3600-02	.4300-02	.7651-04	.6349-04	.7651-04	.4700-01	.3810	524.4
188	.53200	.70000	278.00	.7900-02	.6600-02	.7900-02	.1409-03	.1169-03	.1409-03	.8700-01	.9780	524.3
188	.53200	.90000	279.00	.6600-02	.4700-02	.6600-02	.1001-03	.8303-04	.1001-03	.6200-01	.6130	525.1
188	.76500	.10000+00	281.00	.9600-02	.7900-02	.9600-02	.1703-03	.1413-03	.1703-03	.1050	.8730	526.0
188	.76500	.30000	282.00	.6600-02	.5500-02	.6600-02	.1182-03	.9802-04	.1182-03	.7300-01	.6060	526.0
188	.76500	.50000	283.00	.6700-02	.5600-02	.6700-02	.1192-03	.9882-04	.1192-03	.7400-01	.6310	525.9
188	.76500	.70000	284.00	.5700-02	.4700-02	.5700-02	.1007-03	.8349-04	.1007-03	.6200-01	.6660	526.5
188	.90500	.10000+00	287.00	.1020-01	.8500-02	.1020-01	.1816-03	.1505-03	.1816-03	.1120	.9590	527.5
196	.90500	.50000	288.00	.4800-02	.4000-02	.4800-02	.8608-04	.7137-04	.8608-04	.5300-01	.4550	526.8

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1408

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1108)

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
160	7.940	1.028	45.12	.0000	180.0	210.2	.2300-01	1261.	92.70	.9980	3745.	.2047-04
161	7.940	1.024	45.09	.0000	180.0	209.8	.2300-01	1262.	92.70	.9960	3747.	.2041-04
162	7.940	1.032	45.11	.0000	180.0	211.4	.2300-01	1262.	92.80	1.003	3747.	.2056-04

RUN NUMBER	HIJ LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
160	.7459-07	.2440-01	0.0175
161	.7467-07	.2438-01	.4016-01
162	.74 7-07	.2447-01	.4008-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(11A) BTU/ R FT ² SEC	QDOT BTU/ FT ² SEC	DTWOT DEG. R /SEC	TN DEG. R
161	.29900	10000+00	269.00	.6900-02	.5700-02	.6900-02	.1674-03	.1384-03	.1674-03	.1010	.8320	534.3
161	.29900	.50000	271.00	.3700-02	.3000-02	.3700-02	.8960-04	.7411-04	.8960-04	.5400-01	.4480	531.7
161	.53200	.00000	274.00	.1600-01	.1370-01	.1600-01	.4035-03	.3334-03	.4035-03	.2420	1.822	535.9
161	.53200	10000+00	275.00	.6200-02	.5100-02	.6200-02	.1509-03	.1248-03	.1509-03	.9100-01	.7520	533.4
161	.53200	.50000	277.00	.5200-02	.4300-02	.5200-02	.1275-03	.1054-03	.1275-03	.7700-01	.6160	533.0
161	.53200	.70000	278.00	.7700-02	.6400-02	.7700-02	.1883-03	.1558-03	.1883-03	.1140	1.267	532.2
161	.53200	.90000	279.00	.5600-02	.5500-02	.6600-02	.1616-03	.1336-03	.1616-03	.9700-01	.9580	533.5
161	.76500	10000+00	281.00	.1190-01	.9800-02	.1190-01	.2899-03	.2397-03	.2899-03	.1750	1.442	533.8
161	.76500	.30000	282.00	.6300-02	.5200-02	.6300-02	.1535-03	.1269-03	.1535-03	.9200-01	.7640	532.6
161	.76500	.50000	283.00	.6200-02	.5100-02	.6200-02	.1503-03	.1242-03	.1503-03	.9100-01	.7730	533.6
161	.76500	.70000	284.00	.5700-02	.4700-02	.5700-02	.1384-03	.1144-03	.1384-03	.8300-01	.8890	533.9
161	.90500	10000+00	287.00	.1370-01	.1130-01	.1370-01	.3345-03	.2765-03	.3345-03	.2010	1.717	534.6
161	.90500	.50000	288.00	.4700-02	.3800-02	.4700-02	.1135-03	.0384-04	.1135-03	.6800-01	.5840	533.7

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1409

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1108)

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
133	7.970	1.529	45.14	.0000	180.0	319.8	.3400-01	1271.	92.80	1.493	3762.	.3036-04
134	7.970	1.531	45.12	.0000	180.0	322.0	.3400-01	1276.	93.10	1.503	3768.	.3046-04
135	7.970	1.518	45.11	.0000	180.0	320.7	.3400-01	1280.	93.40	1.497	3774.	.3024-04

RUN NUMBER	MJ	LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
133	7470-07	2989-01	.3301-01	0.0175
134	7496-07	3001-01	.3297-01	
135	7519-07	2997-01	.3309-01	

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=1.0 ITAW	H19TO BTU/ R FT ² SEC	H1TO BTU/ R FT ² SEC	H1TAW BTU/ R FT ² SEC	QDOT BTU/ FT ² SEC	DTWOT DEG. R /SEC	TH DEG. R
134	.29900	.10000+00	263.00	.8200-02	.5800-02	.8200-02	.2469-03	.2045-03	.2469-03	.1520	1.255	533.5
134	.29900	.50000	271.00	.1000-03	.1000-03	.1000-03	.3665-05	.3037-05	.3665-05	.2000-02	.1900-01	531.5
134	.53200	.00000	274.00	.1330-01	.1100-01	.1330-01	.3978-03	.3293-03	.3978-03	.2440	1.834	535.7
134	.53200	.10000+00	275.00	.5800-02	.5600-02	.5800-02	.2038-03	.1688-03	.2038-03	.1250	1.037	532.9
134	.53200	.50000	277.00	.4900-02	.4000-02	.4900-02	.1460-03	.1210-03	.1460-03	.9000-01	.7210	532.4
134	.53200	.70000	278.00	.4800-02	.3300-02	.4800-02	.1430-03	.1195-03	.1430-03	.8800-01	.9810	532.5
134	.53200	.90000	279.00	.7400-02	.6200-02	.7400-02	.2232-03	.1848-03	.2232-03	.1370	1.353	533.2
134	.76500	.10000+00	281.00	.1120-01	.9300-02	.1120-01	.3357-03	.2780-03	.3357-03	.2060	1.704	534.1
134	.76500	.30000	282.00	.8000-02	.6600-02	.8000-02	.2399-03	.1978-03	.2399-03	.1470	1.214	533.4
134	.76500	.50000	283.00	.6600-02	.5400-02	.6600-02	.1969-03	.1631-03	.1969-03	.1210	1.035	532.9
134	.76500	.70000	284.00	.5800-02	.4800-02	.5800-02	.1744-03	.1444-03	.1744-03	.1070	1.145	533.4
134	.90500	.10000+00	287.00	.1320-01	.1090-01	.1320-01	.3959-03	.3277-03	.3959-03	.2430	2.072	534.9
134	.90500	.50000	288.00	.7000-02	.5800-02	.7000-02	.2090-03	.1730-03	.2090-03	.1280	1.097	533.5

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1410

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T08)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PC PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
106	7.980	1.999	45.09	.0000	180.0	429.1	.4500-01	1291.	94.00	1.991	3790.	.3989-04
107	7.980	2.021	45.10	.0000	180.0	433.4	.4500-01	1290.	93.90	2.011	3789.	.4032-04
108	7.980	2.010	45.10	.0000	180.0	431.4	.4500-01	1290.	93.90	2.002	3790.	.4012-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST R	R =
106	.7565-07				0.0175
107	.7558-07				.2884-01
108	.7562-07				.2868-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
107	.29300	.10000+00	269.00	.8600-02	.7200-02	.8600-02	.3001-03	.2494-03	.3001-03	.1910	1.582	525.6
107	.29900	.50000	271.00	.6100-02	.5100-02	.6100-02	.2118-03	.1761-03	.2118-03	.1350	1.121	524.0
107	.53200	.00000	274.00	.1280-01	.1060-01	.1280-01	.4447-03	.3694-03	.4447-03	.2810	2.125	528.5
107	.53200	.10000+00	275.00	.7100-02	.5900-02	.7100-02	.2462-03	.2047-03	.2462-03	.1570	1.302	524.5
107	.53200	.50000	277.00	.5600-02	.4600-02	.5600-02	.1937-03	.1611-03	.1937-03	.1230	.9940	523.4
107	.53200	.70000	278.00	.3800-02	.3200-02	.3800-02	.1318-03	.1096-03	.1318-03	.8400-01	.9400	524.1
107	.53200	.90000	279.00	.8200-02	.6800-02	.8200-02	.2860-03	.2378-03	.2860-03	.1820	1.801	524.8
107	.76500	.10000+00	281.00	.1590-01	.1320-01	.1590-01	.5541-03	.4604-03	.5541-03	.3510	2.916	526.5
107	.76500	.30000	282.00	.1080-01	.9000-02	.1080-01	.3772-03	.3135-03	.3772-03	.2390	1.988	525.8
107	.76500	.50000	283.00	.6500-02	.7100-02	.6500-02	.2968-03	.2467-03	.2968-03	.1890	1.618	525.5
107	.76500	.70000	284.00	.6000-02	.5300-02	.6000-02	.2097-03	.1735-03	.2097-03	.1330	1.423	525.2
107	.90500	.10000+00	287.00	.2260-01	.1870-01	.2260-01	.7849-03	.6518-03	.7849-03	.4960	4.243	529.1
107	.90500	.50000	288.00	.9900-02	.8200-02	.9900-02	.3451-03	.2867-03	.3451-03	.2190	1.874	527.2

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	P0 PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
82	7.990	2.509	45.10	.0000	180.0	548.2	.5700-01	1303.	94.60	2.530	3808.	.5019-04
83	7.990	2.497	45.11	.0000	180.0	546.6	.5600-01	1304.	94.70	2.522	3811.	.4998-04
84	7.990	2.496	45.13	.0000	180.0	547.3	.5700-01	1306.	94.90	2.526	3813.	.4999-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
82	.7618-07	.3908-01	0.7175
83	.7627-07	.3903-01	.2579-01
84	.7637-07	.3906-01	.2579-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
83	.29900	.10000+00	269.00	.7800-02	.6500-02	.7800-02	.3044-03	.2533-03	.3044-03	.1970	1.632	527.6
83	.29900	.50000	271.00	.7800-02	.6500-02	.7800-02	.3034-03	.2527-03	.3034-03	.1970	1.640	523.7
83	.53200	.00000	274.00	.1350-01	.1120-01	.1350-01	.5269-03	.4381-03	.5269-03	.3390	2.558	530.8
83	.53200	.10000+00	275.00	.8300-02	.6900-02	.8300-02	.3259-03	.2712-03	.3259-03	.2110	1.752	526.4
83	.53200	.50000	277.00	.6100-02	.5100-02	.6100-02	.2373-03	.1976-03	.2373-03	.1540	1.240	524.8
83	.53200	.70000	278.00	.3300-02	.2700-02	.3300-02	.1285-03	.1070-03	.1285-03	.8300-01	.9340	524.8
83	.53200	.90000	279.00	.9300-02	.7700-02	.9300-02	.3613-03	.3008-03	.3613-03	.2340	2.317	526.1
83	.76500	.10000+00	281.00	.1610-01	.1510-01	.1610-01	.7061-03	.5874-03	.7061-03	.4560	3.777	528.6
83	.76500	.30000	282.00	.1290-01	.1070-01	.1290-01	.5020-03	.4177-03	.5020-03	.3250	2.594	527.1
83	.76500	.50000	283.00	.1070-01	.8900-02	.1070-01	.4177-03	.3477-03	.4177-03	.2700	2.320	526.4
83	.90500	.70000	284.00	.8100-02	.6800-02	.8100-02	.2645-03	.2645-03	.3179-03	.2060	2.206	526.6
83	.90500	.10000+00	287.00	.2760-01	.2290-01	.2760-01	.1077-02	.8956-03	.1077-02	.6930	5.924	531.0
83	.90500	.50000	288.00	.1420-01	.1180-01	.1420-01	.5558-03	.4624-03	.5558-03	.3590	3.074	528.3

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1412

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T08)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPDRK = .0000
 BDFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
61	7.990	2.932	45.11	.0000	180.0	676.7	.7000-01	1351.	98.10	3.123	3879.	.5973-04
62	7.990	2.961	45.14	.0000	180.0	676.1	.7000-01	1342.	97.50	3.120	3865.	.6010-04
63	7.990	2.968	45.12	.0000	180.0	677.5	.7000-01	1341.	97.40	3.126	3864.	.6025-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
61	.7902-07	.4369-01	0.0175
62	.7847-07	.4362-01	.2369-01
63	.7844-07	.4365-01	.2359-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (YAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AM) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
62	.29900	.10000+00	269.00	.7900-02	.6600-02	.7900-02	.3463-03	.2888-03	.3463-03	.2330	1.930	533.3
62	.29900	.50000	271.00	.6900-02	.5800-02	.6900-02	.3019-03	.2521-03	.3019-03	.2050	1.696	529.7
62	.53200	.00000	274.00	.1450-01	.1210-01	.1450-01	.6334-03	.5278-03	.6334-03	.4250	3.192	537.4
62	.53200	.10000+00	275.00	.9200-02	.7600-02	.9200-02	.3999-03	.3337-03	.3999-03	.2700	2.237	531.5
62	.53200	.50000	277.00	.7000-02	.5900-02	.7000-02	.3064-03	.2558-03	.3064-03	.2080	1.665	530.3
62	.53200	.70000	278.00	.5900-02	.5000-02	.5900-02	.2593-03	.2165-03	.2593-03	.1760	1.965	529.1
62	.53200	.90000	279.00	.9300-02	.7800-02	.9300-02	.4055-03	.3383-03	.4055-03	.2740	2.704	531.7
62	.76500	.10000+00	281.00	.2080-01	.1740-01	.2080-01	.9082-03	.7573-03	.9082-03	.6120	5.053	534.1
62	.76500	.30000	282.00	.1320-01	.1260-01	.1320-01	.6613-03	.5517-03	.6613-03	.4460	3.691	532.7
62	.76500	.50000	283.00	.1250-01	.1050-01	.1250-01	.5468-03	.4562-03	.5468-03	.3690	3.158	532.0
62	.76500	.70000	284.00	.8500-02	.7100-02	.8500-02	.3705-03	.3091-03	.3705-03	.2500	2.676	531.7
62	.90500	.10000+00	287.00	.3000-01	.2500-01	.3000-01	.1309-02	.1091-02	.1309-02	.8780	7.481	537.2
62	.90500	.50000	288.00	.1540-01	.1280-01	.1540-01	.6716-03	.5600-03	.6716-03	.4520	3.859	534.4

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1413

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T08)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = .5.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
43	8.000	3.313	45.11	.0000	180.0	758.4	.7800-01	134.1	97.20	3.480	3864.	.6708-04
44	8.000	3.322	45.10	.0000	180.0	759.5	.7800-01	134.0	97.10	3.485	3862.	.6723-04
45	8.000	3.323	45.10	.0000	180.0	759.7	.7800-01	134.0	97.10	3.486	3863.	.6724-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
43	.7822-07	.4606-01	FT2SEC	0.0175
44	.7816-07	.4609-01		.2230-01
45	.7817-07	.4610-01		.2230-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEL. R /SEC	TW DEG. R
44	.29900	.10000*00	269.00	.7700-02	.6400-02	.7700-02	.3549-03	.2957-03	.3549-03	.2370	1.956	537.3
44	.29900	.50000	271.00	.6200-02	.5200-02	.6200-02	.2864-03	.2387-03	.2864-03	.1920	1.585	535.3
44	.53200	.00000	274.00	.1570-01	.1310-01	.1570-01	.7246-03	.6028-03	.7246-03	.4810	3.602	542.5
44	.53200	.10000*00	275.00	.1060-01	.8800-02	.1060-01	.4891-03	.4076-03	.4891-03	.3280	2.703	536.0
44	.53200	.50000	277.00	.7400-02	.6100-02	.7400-02	.3338-03	.2833-03	.3338-03	.2280	1.825	534.5
44	.53200	.70000	278.00	.5100-02	.4300-02	.5100-02	.2372-03	.1977-03	.2372-03	.1590	1.772	534.7
44	.53200	.90000	279.00	.1010-01	.8400-02	.1010-01	.4668-03	.3890-03	.4668-03	.3130	3.077	535.9
44	.76500	.10000*00	281.00	.2250-01	.1870-01	.2250-01	.1035-02	.8621-03	.1035-02	.6900	5.687	539.0
44	.76500	.30000	282.00	.1670-01	.1390-01	.1670-01	.7697-03	.6413-03	.7697-03	.5150	4.247	536.8
44	.76500	.50000	283.00	.1340-01	.1120-01	.1340-01	.6192-03	.5159-03	.6192-03	.4140	3.530	536.9
44	.76500	.70000	284.00	.9400-02	.7900-02	.9400-02	.4352-03	.3626-03	.4352-03	.2910	3.105	536.3
44	.90500	.10000*00	287.00	.3250-01	.2700-01	.3250-01	.1497-02	.1246-02	.1497-02	.9840	8.445	541.9
44	.90500	.50000	288.00	.1600-01	.1330-01	.1600-01	.7356-03	.6127-03	.7356-03	.4910	4.183	538.1

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1414

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T08)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 45.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
22	8.000	3.747	45.11	.0000	180.0	864.2	.8900-01	1348.	97.70	3.966	3874.	.7605-04
23	8.000	3.747	45.16	.0000	180.0	862.7	.8800-01	1346.	97.50	3.959	3871.	.7601-04
24	8.000	3.731	45.12	.0000	180.0	859.3	.8800-01	1346.	97.60	3.943	3872.	.7569-04

RUN NUMBER	MU	HREF BTU/ R /FT2	ST FR R =
22	.7853-07	.4922-01	0.0175
23	.7853-07	.4916-01	.2098-01
24	.7855-07	.4907-01	.2103-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(ISTO) BTU/ R FT2SEC	H(TOI) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
23	.29900	.10000+00	259.00	.8300-02	.6900-02	.8300-02	.4077-03	.3402-03	.4077-03	.2770	2.280	533.1
23	.29900	.50000	271.00	.6400-02	.5400-02	.6400-02	.3167-03	.2644-03	.3167-03	.2150	1.784	531.0
23	.53200	.00000	274.00	.1510-01	.1250-01	.1510-01	.7404-03	.6170-03	.7404-03	.4980	3.741	538.9
23	.53200	.10000+00	275.00	.1090-01	.9100-02	.1090-01	.5375-03	.4487-03	.5375-03	.3650	3.023	531.7
23	.53200	.50000	277.00	.7300-02	.6100-02	.7300-02	.3587-03	.2936-03	.3587-03	.2450	1.963	529.7
23	.53200	.70000	278.00	.6500-02	.5400-02	.6500-02	.3180-03	.2655-03	.3180-03	.2170	2.419	530.0
23	.53200	.90000	279.00	.1070-01	.8900-02	.1070-01	.5236-03	.4371-03	.5236-03	.3550	3.515	531.2
23	.76500	.10000+00	281.00	.2350-01	.1950-01	.2350-01	.1157-02	.9654-03	.1157-02	.7840	6.471	534.5
23	.76500	.30000	282.00	.1760-01	.1470-01	.1760-01	.8647-03	.7217-03	.8647-03	.5870	4.855	532.5
23	.76500	.50000	283.00	.1460-01	.1220-01	.1460-01	.7183-03	.5995-03	.7183-03	.4880	4.171	532.0
23	.76500	.70000	284.00	.1020-01	.8530-02	.1020-01	.5026-03	.4195-03	.5026-03	.3420	3.650	531.8
23	.90500	.10000+00	287.00	.3180-01	.2650-01	.3180-01	.1563-02	.1303-02	.1563-02	1.053	8.976	537.3
23	.90500	.50000	288.00	.1690-01	.1410-01	.1690-01	.8320-03	.6942-03	.8320-03	.5640	4.818	533.4

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1415

(RV1T09)

OH-49B (AEDC V41B-57A) OFBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 50.00 BETA = .0000 ELEVTR = .0000 SPD8RK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
190	7.900	.5370	50.09	.0000	180.0	109.6	.1200-01	1271.	94.20	.5320	3758.	.1084-04
191	7.900	.5468	50.08	.0000	180.0	111.7	.1200-01	1271.	94.30	.5420	3759.	.1104-04
192	7.900	.5514	50.07	.0000	180.0	112.3	.1200-01	1269.	94.10	.5450	3755.	.1112-04

RUN NUMBER	MU	LB-SEC /FT ²	ST FR R =
190	.7587-07	.1784-01	0.0175
191	.7591-07	.1801-01	.5523-01
192	.7577-07	.1806-01	.5452-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
191	.29900	.10000*00	269.00	.1060-01	.8800-02	.1060-01	.1915-03	.1588-03	.1915-03	.1180	.9840	525.3
191	.29900	.50000	271.00	.3600-02	.3000-02	.3600-02	.6476-04	.5373-04	.6476-04	.4200-01	.3330	524.4
191	.53200	.00000	274.00	.1100-01	.9100-02	.1100-01	.1987-03	.1648-03	.1987-03	.1230	.9280	526.7
191	.53200	.10000*00	275.00	.6700-02	.5600-02	.6700-02	.1213-03	.1006-03	.1213-03	.7500-01	.6240	524.9
191	.53200	.50000	277.00	.6000-02	.5000-02	.6000-02	.1089-03	.9036-04	.1089-03	.6700-01	.5430	524.8
191	.53200	.70000	278.00	.2300-02	.1900-02	.2300-02	.4090-04	.3393-04	.4090-04	.2500-01	.2830	525.4
191	.53200	.90000	279.00	.4800-02	.4000-02	.4800-02	.8722-04	.7235-04	.8722-04	.5400-01	.5340	525.7
191	.76500	.10000*00	281.00	.9600-02	.8000-02	.9600-02	.1731-03	.1436-03	.1731-03	.1070	.8870	526.5
191	.76500	.30000	282.00	.8700-02	.7200-02	.8700-02	.1572-03	.1304-03	.1572-03	.9700-01	.8060	526.3
191	.76500	.50000	283.00	.8100-02	.6700-02	.8100-02	.1463-03	.1213-03	.1463-03	.9000-01	.7750	526.4
191	.76500	.70000	284.00	.6300-02	.5300-02	.6300-02	.1141-03	.9464-04	.1141-03	.7000-01	.7550	526.7
191	.90500	.10000*00	287.00	.1010-01	.8400-02	.1010-01	.1825-03	.1513-03	.1825-03	.1120	.9640	527.7
191	.90500	.50000	288.00	.5800-02	.4800-02	.5800-02	.1050-03	.8706-04	.1050-03	.6500-01	.5560	526.8

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1416

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T09)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 50.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
163	7.940	1.022	50.12	.0000	180.0	209.1	.2200-01	1261.	92.70	.9920	3746.	.2036-04
164	7.940	1.017	50.08	.0000	180.0	208.3	.2200-01	1262.	92.70	.9890	3746.	.2027-04
165	7.940	1.020	50.09	.0000	180.0	208.6	.2200-01	1261.	92.70	.9900	3745.	.2031-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
163	.7462-07	.2434-01	0.0175
164	.7464-07	.2429-01	.4028-01
165	.7459-07	.2431-01	.4032-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
164	29900	.17000+00	269.00	.1030-01	.8500-02	.1030-01	.2511-03	.2075-03	.2511-03	.1510	1.243	535.9
164	29900	.50000	271.00	.4000-03	.3000-03	.4000-03	.9575-05	.7914-05	.9575-05	.6000-02	.4800-01	534.5
164	53200	.00000	274.00	.9300-02	.7700-02	.9300-02	.2264-03	.1870-03	.2264-03	.1360	1.019	537.0
164	53200	.10000+00	275.00	.7800-02	.6400-02	.7800-02	.1886-03	.1559-03	.1886-03	.1130	.9350	535.1
164	53200	.50000	277.00	.5600-02	.4600-02	.5600-02	.1362-03	.1126-03	.1362-03	.8200-01	.6550	534.6
164	53200	.70000	278.00	.6000-02	.4900-02	.6000-02	.1452-03	.1200-03	.1452-03	.8700-01	.9720	534.3
164	53200	.90000	279.00	.8300-02	.6900-02	.8300-02	.2028-03	.1675-03	.2028-03	.1220	1.198	535.1
164	76500	.10000+00	281.00	.9100-02	.7500-02	.9100-02	.2217-03	.1832-03	.2217-03	.1330	1.099	535.2
164	76500	.30000	282.00	.7600-02	.6300-02	.7600-02	.1846-03	.1525-03	.1846-03	.1110	.9150	535.4
164	76500	.50000	283.00	.6900-02	.5700-02	.6900-02	.1673-03	.1383-03	.1673-03	.1000+00	.8570	535.0
164	76500	.70000	284.00	.5000-02	.5000-02	.5000-02	.1460-03	.1206-03	.1460-03	.8800-01	.9340	535.6
164	90500	.10000+00	287.00	.9600-02	.7900-02	.9600-02	.2332-03	.1926-03	.2332-03	.1400	1.192	535.8
164	90500	.50000	288.00	.6500-02	.5500-02	.6500-02	.1615-03	.1335-03	.1615-03	.9700-01	.8270	535.2

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(RV1 T09)

PARAMETRIC DATA

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ALPHA = 50.00      BETA = .0000      SPDBRK = .0000
BDFLAP = .0000     ELEVTR = .0000

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••TEST CONDITIONS••

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PQ PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
118	7.970	1.489	50.06	.0000	180.0	320.2	.3400-01	1295.	94.50	1.494	3796.	.2883-04
136	7.970	1.511	50.10	.0000	180.0	321.4	.3400-01	1286.	93.80	1.500	3783.	.3017-04
138	7.970	1.503	50.10	.0000	180.0	319.5	.3400-01	1285.	93.80	1.491	3782.	.3001-04

..TEST DATA..

[illegible]

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1418

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T09)

PARAMETRIC DATA

ALPHA = 50.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
109	7.980	2.007	50.11	.0000	180.0	432.1	.4500-01	1293.	94.10	2.005	3794.	.4009-04
110	7.980	2.009	50.11	.0000	180.0	433.9	.4500-01	1296.	94.30	2.014	3798.	.4018-04
111	7.980	2.007	50.07	.0000	180.0	434.2	.4500-01	1297.	94.40	2.015	3800.	.4015-04

RUN NUMBER	MJ	LB-SEC /FT2	WREF BTU/ R FT2SEC	ST FR R =
109	.7580-07		.3474-01	0.0175
110	.7594-07		.3483-01	.2877-01
111	.7504-07		.3485-01	.2875-01

TEST DATA

RUN NUMBER	Z/SV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9.0) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
110	.29300	.10000+00	269.00	.8300-02	.6900-02	.8300-02	.2885-03	.2400-03	.2885-03	.1850	1.536	525.1
110	.29500	.50000	271.00	.5400-02	.4500-02	.5400-02	.1880-03	.1565-03	.1880-03	.1210	1.006	522.7
110	.53200	.00000	274.00	.6900-02	.5700-02	.6900-02	.2403-03	.1997-03	.2403-03	.1530	1.159	528.3
110	.53200	.10000+00	275.00	.8100-02	.6800-02	.8100-02	.2838-03	.2361-03	.2838-03	.1820	1.511	525.1
110	.53200	.50000	277.00	.7800-02	.6500-02	.7800-02	.2729-03	.2270-03	.2729-03	.1750	1.409	524.6
110	.53200	.78000	278.00	.6200-02	.5200-02	.6200-02	.2169-03	.1804-03	.2169-03	.1390	1.556	525.1
110	.53200	.30000	279.00	.9400-02	.7800-02	.3400-02	.3266-03	.2716-03	.3266-03	.2090	2.070	525.8
110	.76500	.0000+00	281.00	.1350-01	.1130-01	.1350-01	.4727-03	.3931-03	.4727-03	.3020	2.510	526.4
110	.76500	.30000	282.00	.1170-01	.9700-02	.1170-01	.4082-03	.3395-03	.4082-03	.2610	2.170	525.9
110	.76500	.50000	283.00	.1200-01	.1000-01	.1200-01	.4184-03	.3480-03	.4184-03	.2680	2.298	525.8
110	.76500	.70000	284.00	.1010-01	.8400-02	.1010-01	.3526-03	.2932-03	.3526-03	.2250	2.417	526.6
110	.90500	.10000+00	287.00	.1550-01	.1290-01	.1550-01	.5388-03	.4479-03	.5388-03	.3440	2.949	527.6
110	.90500	.50000	288.00	.1240-01	.1030-01	.1240-01	.4329-03	.3599-03	.4329-03	.2770	2.372	527.0

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1419

(RV1109)

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 50.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = .0000 MACH = 8.0000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
115	7.990	2.491	50.08	.0000	180.0	544.6	.5600-01	1303.	94.70	2.513	3809.	.4985-04
116	7.990	2.473	50.09	.0000	180.0	542.6	.5600-01	1306.	94.90	2.504	3814.	.4954-04
117	7.990	2.485	50.09	.0000	180.0	543.1	.5600-01	1303.	94.60	2.506	3809.	.4972-04

RUN NUMBER	MJ LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
115	.7621-07	.3895-01	0.0175
116	.7639-07	.3889-01	.2591-01
117	.7619-07	.3889-01	.2586-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
115	.29300	.10000+00	269.00	.8500-02	.7000-02	.8500-02	.3301-03	.2740-03	.3301-03	.2110	1.740	536.6
116	.29900	.50000	271.00	.6500-02	.5400-02	.6500-02	.2524-03	.2015-03	.2524-03	.1620	1.336	534.8
116	.53200	.07000	274.00	.7400-02	.6100-02	.7400-02	.2868-03	.2380-03	.2868-03	.1830	1.372	538.7
116	.53200	.10000+00	275.00	.5000-02	.7400-02	.9000-02	.3482-03	.2692-03	.3482-03	.2230	1.840	535.4
116	.53200	.50000	277.00	.8500-02	.7000-02	.8500-02	.3296-03	.2738-03	.3296-03	.2110	1.691	534.6
116	.53200	.70000	278.00	.5900-02	.4900-02	.5900-02	.2289-03	.1901-03	.2289-03	.1470	1.634	534.6
116	.53200	.90000	279.00	.1080-01	.8500-02	.1080-01	.4187-03	.3478-03	.4187-03	.2680	2.640	535.2
116	.76500	.10000+00	281.00	.1420-01	.1180-01	.1420-01	.5527-03	.4590-03	.5527-03	.3530	2.916	536.3
116	.76500	.30000	282.00	.1340-01	.1110-01	.1340-01	.5215-03	.4331-03	.5215-03	.3340	2.755	535.7
116	.76500	.50000	283.00	.1240-01	.1030-01	.1240-01	.4603-03	.3989-03	.4603-03	.3070	2.622	535.6
116	.76500	.70000	284.00	.1110-01	.9200-02	.1110-01	.4316-03	.3584-03	.4316-03	.2760	2.941	536.3
116	.90500	.10000+00	287.00	.1530-01	.1270-01	.1530-01	.5956-03	.4944-03	.5956-03	.3800	3.237	537.7
116	.90500	.50000	288.00	.1520-01	.1260-01	.1520-01	.5893-03	.4893-03	.5893-03	.3770	3.212	536.4

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1420

(RV1109)

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 50.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	R40 SLUGS /FT3
64	7.990	50.11	.0000	180.0	676.6	.7000-01	1344.	97.60	3.122	3968.	.6005-04
65	7.990	50.13	.0050	180.0	677.5	.7000-01	1343.	97.50	3.126	3867.	.6017-04
66	7.990	50.18	.0000	180.0	678.4	.7000-01	1336.	97.00	3.131	3856.	.6059-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R	ST FR R =
64	.7859-07	.4365-01	0.0175
65	.7853-07	.4367-01	.2358-01
66	.7810-07	.4366-01	.2348-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(10) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DT/DT DEG. R /SEC	TW DEG. R
65	.29900	.10000+00	269.00	.8200-02	.6800-02	.8200-02	.2975-03	.3565-03	.3565-03	.2410	1.998	531.5
65	.29900	.50000	271.00	.1800-02	.1530-02	.1800-02	.6584-04	.7884-04	.7884-04	.5400-01	1.450	528.4
65	.53200	.00000	274.00	.8600-02	.7200-02	.8600-02	.3129-03	.3752-03	.3752-03	.2530	1.906	534.2
65	.53200	.10000+00	275.00	.1010-01	.8400-02	.1010-01	.4397-03	.4397-03	.4397-03	.2990	2.475	529.4
65	.53200	.50000	277.00	.8900-02	.7500-02	.8900-02	.3261-03	.3904-03	.3904-03	.2660	2.134	528.2
65	.53200	.70000	278.00	.8700-02	.7200-02	.8700-02	.3157-03	.3780-03	.3780-03	.2570	2.876	528.0
65	.53200	.90000	279.00	.1170-01	.9600-02	.1170-01	.4259-03	.5102-03	.5102-03	.3460	3.420	530.0
65	.76500	.10000+00	281.00	.1510-01	.1260-01	.1510-01	.5517-03	.6610-03	.6610-03	.4480	3.708	531.0
65	.76500	.30000	282.00	.1410-01	.1180-01	.1410-01	.6155-03	.6155-03	.6155-03	.4180	3.458	530.2
65	.76500	.50000	283.00	.1330-01	.1130-01	.1330-01	.4940-03	.5917-03	.5917-03	.4020	3.437	530.0
65	.76500	.70000	284.00	.1190-01	.9900-02	.1190-01	.4341-03	.5201-03	.5201-03	.3530	3.770	530.8
65	.90500	.10000+00	287.00	.1710-01	.1420-01	.1710-01	.6217-03	.7452-03	.7452-03	.5040	4.309	532.2
65	.90500	.50000	288.00	.1540-01	.1290-01	.1540-01	.5616-03	.6729-03	.6729-03	.4560	3.897	531.4

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DATE 25 AUG 76

AEDC VKF V41B-57A (04-498) COLLATION DECK

PAGE 1421

VERTICAL TAIL

04-498 (AEDC V41B-57A) 04-BITER VERTICAL TAIL

(RV1T09)

PARAMETRIC DATA

ALPHA = 50.00 BETA = .0000 ELEVTR = .0003 SPDRK = .0000
 BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	SN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
112	8.000	3.322	50.13	.0000	180.0	759.8	.7800-01	1340.	97.10	3.487	3863.	.6724-04
113	8.000	3.319	50.13	.0000	180.0	759.3	.7800-01	1340.	97.10	3.484	3863.	.6718-04
114	8.000	3.301	50.16	.0000	180.0	760.3	.7800-01	1347.	97.60	3.489	3872.	.6696-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
112	.7819-07	.4610-01	.2230-01	0.017
113	.7820-07	.4609-01	.2231-01	
114	.7856-07	.4616-01	.2236-01	

TEST DATA

RUN NUMBER	Z/BV	V/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAM)	HISTO) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAM) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
113	.29900	.10000+00	269.00	.8500-02	.7100-02	.8500-02	.3907-03	.3256-03	.3907-03	.2620	2.163	535.6
113	.29900	.50000	271.00	.5700-02	.4700-02	.5700-02	.2821-03	.2185-03	.2621-03	.1760	1.455	534.3
113	.53200	.00000	274.00	.9200-02	.7600-02	.9200-02	.4226-03	.3519-03	.4226-03	.2820	2.116	539.5
113	.53200	.10000+00	275.00	.9700-02	.8100-02	.9700-02	.4483-03	.3738-03	.4483-03	.3010	2.487	534.7
113	.53200	.50000	277.00	.9300-02	.7700-02	.9300-02	.4266-03	.3557-03	.4266-03	.2870	2.297	533.8
113	.53200	.70000	278.00	.4800-02	.3700-02	.4800-02	.2631-03	.2193-03	.2631-03	.1770	1.967	534.7
113	.53200	.90000	279.00	.1040-01	.8700-02	.1040-01	.4813-03	.4012-03	.4813-03	.3230	3.178	535.5
113	.76500	.10000+00	281.00	.1430-01	.1430-01	.1430-01	.7891-03	.6576-03	.7891-03	.5290	4.363	536.3
113	.76500	.30000	282.00	.1530-01	.1270-01	.1530-01	.7043-03	.5875-03	.7043-03	.4730	3.902	535.7
113	.76500	.50000	283.00	.1520-01	.1270-01	.1520-01	.7005-03	.5837-03	.7005-03	.4700	4.004	536.0
113	.76500	.70000	284.00	.1300-01	.1080-01	.1300-01	.5974-03	.4979-03	.5974-03	.4000	1.268	536.2
113	.90500	.10000+00	287.00	.2000-01	.1660-01	.2000-01	.9209-03	.7869-03	.9209-03	.6150	5.234	538.7
113	.90500	.50000	288.00	.1630-01	.1360-01	.1630-01	.7530-03	.6274-03	.7530-03	.5040	4.296	537.0

DATE 25 AUG 76

AE/C VKF V-1B-57A (OK-498) COLLATION DECK

PAGE 1422

OK-498 (AEDC V-1B-57A) ORBITER VERTICAL TAIL

(RV1T09)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 50.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
BOFLAP = .0000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	Q DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
25	8.000	3.739	50.14	.0000	180.0	862.0	.8800-01	1347.	97.60	3.956	3873.	.7587-04
26	8.000	3.735	50.14	.0000	180.0	860.7	.8800-01	1347.	97.60	3.950	3873.	.7579-04
27	8.000	3.729	50.18	.0000	180.0	861.6	.8800-01	1349.	97.80	3.954	3876.	.7573-04

RUN NUMBER	MU LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
25	.7861-07	.4915-01	0.0175
26	.7858-07	.4911-01	.2101-01
27	.7872-07	.4915-01	.2103-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT ² SEC	H(10) BTU/ R FT ² SEC	H(TAW) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTWOT DEG. R /SEC	TW DEG. R
26	.29500	.0000+00	269.00	.8300-02	.6900-02	.0300-02	.4089-03	.7410-03	.4089-03	.2770	2.285	535.3
26	.29500	.50000	271.00	.7700-02	.6400-02	.7700-02	.3794-03	.3166-03	.3794-03	.2580	2.131	532.8
26	.53200	.00000	274.00	.1060-01	.8900-02	.1060-01	.5194-03	.4329-03	.5194-03	.3500	2.628	538.7
26	.53200	.1000+00	275.00	.1020-01	.8500-12	.1020-01	.5024-03	.4192-03	.5024-03	.3410	2.816	533.8
26	.53200	.50000	277.00	.8300-02	.6900-02	.8300-02	.4084-03	.3391-03	.4084-03	.2760	2.212	532.8
26	.53200	.70000	278.00	.6700-02	.5600-02	.6700-02	.3284-03	.2741-03	.3284-03	.2230	2.489	532.4
26	.53200	.90000	279.00	.1100-01	.9200-02	.1100-01	.5386-03	.4194-03	.5386-03	.3650	3.597	534.2
26	.76500	.1000+00	281.00	.1810-01	.1510-01	.1810-01	.8901-03	.7423-03	.8901-03	.6020	4.974	535.3
26	.76500	.30000	282.00	.1630-01	.1360-01	.1630-01	.8008-03	.6680-03	.8008-03	.5430	4.482	534.6
26	.76500	.50000	283.00	.1710-01	.1430-01	.1710-01	.8413-03	.7018-03	.8413-03	.5700	4.865	534.6
26	.75500	.70000	284.00	.1450-01	.1210-01	.1450-01	.7119-03	.5938-03	.7119-03	.4826	5.137	535.4
26	.90500	.1000+00	287.00	.2000-01	.1660-01	.2000-01	.9803-03	.8172-03	.9803-03	.6610	5.635	537.5
26	.90500	.50000	288.00	.1930-01	.1580-01	.1930-01	.9311-03	.7764-03	.9311-03	.6300	5.369	536.0

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1423

OH-49B (AEDC V41B-57A) OFBITER VERTICAL TAIL

(RV1T40)

VERTICAL TAIL.

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
 BDFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RV/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PQ PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
390	7.900	.5489	19.99	.0000	180.0	113.0	.1300-01	1278.	94.80	.5490	3769.	.1111-04
391	7.900	.5493	19.97	.0000	180.0	113.1	.1300-01	1278.	94.80	.5490	3769.	.1112-04
392	7.900	.5402	19.98	.0000	180.0	111.6	.1200-01	1261.	95.00	.5420	3773.	.1095-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
390	.7630-07	.1250	0.0175
391	.7631-07	.1250	.5458-01
392	.7649-07	.1803-01	.5500-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
391	.29300	.10000+00	269.00	.2440-01	.2020-01	.2440-01	.4419-03	.3662-03	.4419-03	.2730	2.261	531.7
391	.29900	.50000	271.00	.3500-02	.2900-02	.3500-02	.6390-04	.5253-04	.6390-04	.4000-01	.3290	529.4
391	.53200	.00000	274.00	.1345	.1110	.1345	.2440-02	.2014-02	.2440-02	1.476	11.05	545.1
391	.53200	.10000+00	275.00	.3460-01	.2870-01	.3460-01	.6278-03	.5201-03	.6278-03	.3880	3.206	532.5
391	.53200	.70000	278.00	.4800-02	.4000-02	.4800-02	.8766-04	.7266-04	.8766-04	.5400-01	.6050	531.1
391	.53200	.90000	279.00	.1470-01	.1220-01	.1470-01	.2655-03	.2208-03	.2655-03	.1650	1.625	531.9
391	.76500	.10000+00	281.00	.5560-01	.4600-01	.5560-01	.1009-02	.8353-03	.1009-02	.6210	5.124	535.0
391	.76500	.30000	282.00	.3610-01	.2930-01	.3610-01	.6558-03	.5433-03	.6558-03	.4040	3.343	533.4
391	.76500	.50000	283.00	.2790-01	.2310-01	.2790-01	.5057-03	.4190-03	.5057-03	.3120	2.665	533.2
391	.76500	.70000	284.00	.2930-01	.2420-01	.2930-01	.5311-03	.4398-03	.5311-03	.3270	3.487	534.7
391	.90500	.10000+00	287.00	.3530-01	.2920-01	.3530-01	.6401-03	.5299-03	.6401-03	.3930	3.357	535.4
391	.90500	.50000	288.00	.1360-01	.1120-01	.1360-01	.2460-03	.2039-03	.2460-03	.1520	1.300	532.0

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1424

OH-49B (AEDC V41B-57A) OFBITER VERTICAL TAIL

(RV1T40)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPDBRK = .0000
 BDFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RVL X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
399	7.940	1.025	19.98	.0000	180.0	211.2	.2300-01	1267.	93.10	1.003	3754.	.2047-04
400	7.940	1.013	19.99	.0000	180.0	209.3	.2300-01	1270.	93.30	.9940	3758.	.2025-04
401	7.940	1.013	19.99	.0000	180.0	209.9	.2300-01	1272.	93.50	.9970	3761.	.2027-04

RUN NUMBER	MU	HREF BTU/ R	ST FR R =
399	LB-SEC /FT ²	FT/SEC	0.0175
400	.7497-07	.2448-01	.4018-01
401	.7512-07	.2438-01	.4041-01
	.7525-07	.2442-01	.4040-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF P=0.9	H/HREF P=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT/SEC	H(10) BTU/ R FT/SEC	H(11) BTU/ R FT/SEC	QDOT BTU/ R FT/SEC	DTWOT DEG. R /SEC	TH DEG. R
400	.29300	.10000+00	269.00	.3090-01	.2550-01	.3090-01	.7525-03	.6223-03	.7525-03	.4570	3.767	536.0
400	.29300	.50000	271.00	.5600-02	.4700-02	.5600-02	.1370-03	.1134-03	.1370-03	.4570	3.767	531.2
400	.53200	.00000	274.00	.1776	.1459	.1776	.4329-02	.3558-02	.4329-02	2.536	18.85	556.8
400	.53200	.10000+00	275.00	.4550-01	.3760-01	.4550-01	.1109-02	.9165-03	.1109-02	.6710	5.532	537.5
400	.53200	.70000	278.00	.1180-01	.9800-02	.1180-01	.2882-03	.2385-03	.2882-03	.1750	1.952	534.5
400	.53200	.90000	279.00	.2010-01	.1660-01	.2010-01	.4909-03	.4058-03	.4909-03	.2970	2.923	537.1
400	.76500	.10000+00	281.00	.5200-01	.4300-01	.5200-01	.1268-02	.1048-02	.1268-02	.7650	6.300	539.4
400	.76500	.30000	282.00	.3550-01	.2930-01	.3550-01	.8645-03	.7146-03	.8645-03	.5230	4.314	537.4
400	.76500	.50000	283.00	.3050-01	.2520-01	.3050-01	.7447-03	.6155-03	.7447-03	.4510	3.838	537.8
400	.76500	.70000	284.00	.4210-01	.3480-01	.4210-01	.1027-02	.8478-03	.1027-02	.6180	6.565	541.0
400	.90500	.10000+00	287.00	.4300-01	.3550-01	.4300-01	.1049-02	.8664-03	.1049-02	.6320	5.375	540.2
400	.90500	.50000	288.00	.1180-01	.9800-02	.1180-01	.2882-03	.2384-03	.2882-03	.1750	1.492	535.9

DATE 25 AUG 75

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1425

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1740)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPDRK = .0000
BOFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
408	7.980	1.976	19.97	.0000	180.0	429.0	.4500-01	1300.	94.70	1.991	3804.	.3959-04
409	7.980	1.971	19.97	.0000	180.0	429.4	.4500-01	1303.	94.90	1.993	3809.	.3953-04
410	7.980	1.990	15.97	.0000	180.0	430.4	.4500-01	1297.	94.40	1.997	3799.	.3982-04

RUN NUMBER	MU LB-SEC /FT ²	HREF BTU/ R	ST FR R =
408	.7621-07	.3465-01	.0175
409	.7640-07	.3468-01	.2897-01
410	.7601-07	.3469-01	.2900-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAV)	H'(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAV) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
409	.29900	.10000+00	269.00	.2930-01	.2430-01	.2930-01	.017-02	.8441-03	.1017-02	.6460	5.324	538.1
409	.29900	.50000	271.00	.7200-02	.5900-02	.7200-02	.2480-03	.2081-03	.2480-03	.1590	1.315	532.1
409	.53200	.00000	274.00	.1872	.1539	.1872	.6493-02	.5339-02	.6493-02	3.913	28.84	570.5
409	.53200	.10000+00	275.00	.5640-01	.4670-01	.5640-01	.956-02	.1821-02	.1956-02	1.235	10.15	541.8
409	.53200	.70000	278.00	.1000-01	.8300-02	.1000-01	.3454-03	.2867-03	.3454-03	.2200	2.444	536.7
409	.53200	.90000	279.00	.2560-01	.2120-01	.2560-01	.1883-03	.7366-03	.8883-03	.5520	5.515	540.4
409	.76500	.10000+00	281.00	.4320-01	.3580-01	.4320-01	.497-02	.1241-02	.1497-02	.9450	7.776	541.4
409	.76500	.30000	282.00	.2590-01	.2590-01	.3120-01	.083-02	.8979-03	.1083-02	.6860	5.653	539.1
409	.76500	.50000	283.00	.2420-01	.2000-01	.2420-01	.8381-03	.6953-03	.8381-03	.5320	4.529	538.4
409	.76500	.70000	284.00	.4130-01	.3420-01	.4130-01	.431-02	.1185-02	.1431-02	.9010	9.554	543.7
409	.90500	.10000+00	287.00	.5180-01	.4290-01	.5180-01	.798-02	.1489-02	.1798-02	1.131	9.599	543.9
409	.90500	.50000	288.00	.1150-01	.9600-02	.1150-01	.3993-03	.3314-03	.3993-03	.2540	2.168	536.3

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1426

(RV1140)

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
417	8.000	3.727	19.96	.0000	180.0	859.8	.8800-01	1348.	97.70	3.946	3874.	.7565-04
418	8.000	3.758	19.96	.0000	180.0	860.9	.8800-01	1342	97.20	3.951	3865.	.7611-04
419	8.000	3.759	19.96	.0000	180.0	861.7	.8800-01	1342.	97.30	3.954	3866.	.7614-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
417	.7854-07	.4909-01		0.0175
418	.7827-07	.4908-01		.2104-01
419	.7830-07	.4911-01		.2096-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H1(9T) BTU/ R FT2SEC	H1(TO) BTU/ R FT2SEC	H1(TAN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMOT DEG. R /SEC	TW DEG. R
418	.29300	.10000+00	269.00	.2620-01	.2180-01	.2620-01	.1287-02	.1071-02	.1287-02	.8560	7.037	542.2
418	.29300	.50000	271.00	.8500-02	.7100-02	.8500-02	.4164-03	.3469-03	.4164-03	.2790	2.301	537.2
418	.53200	.00000	274.00	.1921	.1578	.1921	.9428-02	.7744-02	.9428-02	5.818	42.37	590.4
418	.53200	.10000+00	275.00	.5530-01	.4590-01	.5530-01	.2713-02	.2254-02	.2713-02	1.789	14.65	548.0
418	.53200	.70000	278.00	.1410-01	.1170-01	.1410-01	.6331-03	.5766-03	.6331-03	.4600	5.093	543.7
418	.53200	.90000	279.00	.2650-01	.2210-01	.2660-01	.1307-02	.1087-02	.1307-02	.8650	8.462	545.7
418	.76500	.10000+00	281.00	.4410-01	.3670-01	.4410-01	.1801-02	.1601-02	.2166-02	1.432	11.74	546.4
418	.75500	.30000	282.00	.2640-01	.2350-01	.2840-01	.1393-02	.1159-02	.1393-02	.9260	7.610	542.6
418	.76500	.50000	283.00	.1890-01	.1570-01	.1880-01	.9242-03	.7694-03	.9242-03	.6160	5.240	540.6
418	.76500	.70000	284.00	.3710-01	.3090-01	.3710-01	.1821-02	.1513-02	.1821-02	1.199	12.68	549.2
418	.90500	.10000+00	287.00	.5210-01	.4320-01	.5210-01	.2557-02	.2123-02	.2557-02	1.676	14.15	552.2
416	.90500	.50000	288.00	.7300-02	.6100-02	.7300-02	.3593-03	.2993-03	.3593-03	.2400	2.048	538.0

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1427

OH-49B (AEDC V41D-57A) ORBITER VERTICAL TAIL

(RV1741)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
393	7.900	.5350	30.02	.0000	180.0	110.6	.1200-01	1281.	95.00	.5370	3774.	.1085-04
394	7.900	.5367	30.03	.0000	180.0	111.1	.1200-01	1282.	95.10	.5390	3775.	.1059-04
395	7.900	.5402	30.04	.0000	180.0	111.9	.1200-01	1283.	95.20	.5430	3776.	.1096-04

RUN NUMBER	MU	HREF	BTU/ R	ST FR
393	7652-07	.1795-01	FT2SEC	R = 6.0175
394	7659-07	.1799-01	FT2SEC	R = 5.527-01
395	7663-07	.1806-01	FT2SEC	R = 5.517-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AN) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
394	.29900	.10000+00	269.00	.1600-01	.1330-01	.1600-01	.2885-03	.2393-03	.2885-03	.1800	1.491	530.2
394	.29900	.50000	271.00	.3200-02	.3200-02	.3900-02	.6935-04	.5759-04	.6935-04	.4400-01	.3610	526.8
394	.53200	.00000	274.00	.4650-01	.3850-01	.4650-01	.8364-03	.6931-03	.8364-03	.5190	3.910	533.8
394	.53200	.10000+00	275.00	.1910-01	.1910-01	.1910-01	.3444-03	.2857-03	.3444-03	.2150	1.782	529.6
394	.53200	.70300	278.00	.1000-01	.8300-02	.1000-01	.1734-03	.1489-03	.1794-03	.1120	1.254	528.4
394	.53200	.90000	279.00	.1200-01	.1000-01	.1200-01	.2166-03	.1797-03	.2166-03	.1350	1.336	529.9
394	.76500	.10000+00	281.00	.2230-01	.1850-01	.2230-01	.4021-03	.3336-03	.4021-03	.2510	2.079	530.0
394	.76500	.30000	282.00	.1350-01	.1120-01	.1350-01	.2433-03	.2018-03	.2433-03	.1520	1.258	529.8
394	.76500	.50000	283.00	.7300-02	.6400-02	.7900-02	.1184-03	.1145-03	.1427-03	.8900-01	.7620	529.9
394	.76500	.70000	284.00	.7700-02	.6400-02	.7700-02	.1380-03	.1145-03	.1380-03	.8600-01	.9200	530.6
394	.90500	.10000+00	287.00	.2190-01	.1870-01	.2190-01	.3270-03	.3270-03	.3270-03	.2460	2.101	531.3
394	.90500	.50000	288.00	.6200-02	.5100-02	.6200-02	.1107-03	.9181-04	.1107-03	.6900-01	.5910	530.3

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
402	7.940	1.021	30.03	.0000	180.0	211.2	.2300-01	1271.	93.40	1.003	3759.	.2042-04
403	7.940	1.023	30.04	.0000	180.0	210.9	.2300-01	1267.	93.10	1.001	3755.	.2044-04
404	7.940	1.031	30.06	.0000	180.0	211.8	.2300-01	1265.	93.00	1.006	3751.	.2057-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =
402	.7517-07	.2449-01	.4025-01
403	.7498-07	.2447-01	.4022-01
404	.7483-07	.2451-01	.4008-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1STO BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	H(TAH) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
403	.29300	.10000+00	269.00	.1390-01	.1150-01	.1390-01	.3399-03	.2804-03	.3389-03	.2060	1.703	532.8
403	.53200	.00000	274.00	.3720-01	.3070-01	.3720-01	.9090-03	.7512-03	.9090-03	.5490	4.126	537.1
403	.53200	.10000+00	275.00	.1760-01	.1450-01	.1760-01	.4297-03	.3556-03	.4297-03	.2620	2.163	532.1
403	.53200	.70000	278.00	.6000-02	.5600-02	.6800-02	.1659-03	.1374-03	.1659-03	.1010	1.127	531.7
403	.53200	.90000	279.00	.1410-01	.1160-01	.1410-01	.3443-03	.2849-03	.3443-03	.2090	2.063	532.8
403	.76500	.10000+00	281.00	.2120-01	.1750-01	.2120-01	.5176-03	.4282-03	.5176-03	.3140	2.596	533.7
403	.76500	.30000	282.00	.1330-01	.1150-01	.1330-01	.3403-03	.2816-03	.3403-03	.2070	1.709	533.2
403	.76500	.50000	283.00	.8000-02	.6600-02	.8000-02	.1962-03	.1624-03	.1962-03	.1190	1.020	532.5
403	.76500	.70000	284.00	.1550-01	.1280-01	.1550-01	.3799-03	.3142-03	.3799-03	.2300	2.457	534.6
403	.90500	.10000+00	287.00	.1890-01	.1560-01	.1890-01	.4613-03	.3815-03	.4613-03	.2800	2.386	534.6
403	.90500	.50000	288.00	.9600-02	.8000-02	.9600-02	.2351-03	.1945-03	.2351-03	.1430	1.220	533.2

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1429

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV17411)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BOFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAH DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO LOG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
411	7.980	1.985	30.03	.0000	180.0	428.7	.4500-01	1296.	94.30	1.989	3798.	.3969-04
412	7.980	1.997	30.03	.0000	180.0	431.9	.4500-01	1297.	94.40	2.004	3799.	.3996-04
413	7.980	1.981	30.07	.0000	180.0	430.0	.4500-01	1300.	94.60	1.995	3804.	.3969-04

RUN NUMBER	MU	HREF BTU/ R FT2SEC	ST FR R =
411	.7595-07	.3462-01	0.0175
412	.7601-07	.3475-01	.2892-01
413	.7619-07	.3469-01	.2894-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(10) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTWDT DEG. R /SEC	TW DEG. R
412	.29900	.10000+00	269.00	.1100-01	.9200-02	.1100-01	.3838-03	.3185-03	.3838-03	.2430	2.002	535.3
412	.53200	.60000	274.00	.2880-01	.2380-01	.2880-01	.9999-03	.6284-03	.9999-03	.6260	4.698	540.8
412	.53200	.10000+00	275.00	.1630-01	.1350-01	.1630-01	.5660-03	.4697-03	.5660-03	.3580	2.954	535.1
412	.53200	.70000	278.00	.1770-01	.1470-01	.1770-01	.5161-03	.5111-03	.6161-03	.3890	4.326	535.9
412	.53200	.90000	279.00	.2350-01	.2350-01	.2830-01	.9837-03	.8154-03	.9837-03	.6180	6.069	539.0
412	.76500	.10000+00	281.00	.2430-01	.2010-01	.2430-01	.8433-03	.6993-03	.8433-03	.5310	4.380	537.3
412	.76500	.30000	282.00	.2430-01	.2070-01	.2430-01	.8663-03	.7185-03	.8663-03	.5460	4.508	537.4
412	.76500	.50000	283.00	.1680-01	.1390-01	.1680-01	.5827-03	.4833-03	.5827-03	.3880	3.134	536.3
412	.76500	.70000	284.00	.2040-01	.1690-01	.2040-01	.7079-03	.5867-03	.7079-03	.4450	4.729	539.1
412	.90500	.10000+00	287.00	.2570-01	.2130-01	.2570-01	.8921-03	.7394-03	.8921-03	.5600	4.767	539.2
412	.90500	.50000	289.00	.1800-01	.1490-01	.1800-01	.6246-03	.5179-03	.6246-03	.3930	3.352	537.3

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1430

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1741)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = .0000 SPOBRK = .0000
BDFLAP = 5.000 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.5 /FT	ALPHA DEG.	YAW DEG.	FH1 MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
420	8.000	3.778	30.07	.0000	180.0	860.7	.8890-01	1337.	96.90	3.950	3858.	.7636-04
421	8.060	3.745	30.01	.0000	180.0	858.6	.8800-01	1342.	97.30	3.940	3866.	.7588-04
422	8.000	3.718	30.06	.0000	180.0	856.4	.8800-01	1349.	97.70	3.939	3875.	.7549-04

RUN NUMBER	MU	HREF BTU/ R /FT2	ST FR R =
420	.7739-07	.4905-01	0.0175
421	.7831-07	.4902-01	.2092-01
422	.7868-07	.4906-01	.2106-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H1STOI BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	OODT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
421	.29303	.10000+00	269.00	.1030-01	.8600-02	.1030-01	.5063-03	.4222-03	.5063-03	.3410	2.819	534.1
421	.29300	.50000	271.00	.6600-02	.5500-02	.6600-02	.3250-03	.2712-03	.3250-03	.2200	1.819	531.8
421	.53200	.00000	274.00	.4330-01	.3650-01	.4330-01	.2150-02	.1787-02	.2150-02	1.421	10.82	547.2
421	.53200	.10000+00	275.00	.2800-01	.2330-01	.2800-01	.1373-02	.1144-02	.1373-02	.920	7.610	536.4
421	.53200	.70000	278.00	.1550-01	.1290-01	.1550-01	.7590-03	.6270-03	.7590-03	.5100	5.675	535.9
421	.53200	.90000	279.00	.2590-01	.2240-01	.2590-01	.1320-02	.1100-02	.1320-02	.8650	8.696	538.0
421	.76500	.10000+00	281.00	.3030-01	.2520-01	.3030-01	.1483-02	.1236-02	.1483-02	.9550	8.199	537.6
421	.76500	.30000	282.00	.2910-01	.2430-01	.2910-01	.1427-02	.1189-02	.1427-02	.9500	7.903	536.6
421	.76500	.50000	283.00	.2610-01	.2180-01	.2610-01	.1280-02	.1066-02	.1280-02	.8590	7.322	536.8
421	.76500	.70000	284.00	.3680-01	.3070-01	.3680-01	.1806-02	.1503-02	.1806-02	1.201	12.74	543.3
421	.90500	.10000+00	287.00	.3090-01	.2580-01	.3090-01	.5170-02	.4263-02	.5170-02	1.013	8.612	540.6
421	.90500	.50000	288.00	.1890-01	.1500-01	.1890-01	.8809-03	.7344-03	.8809-03	.5920	5.053	535.6

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AEDC VKF V418-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V418-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -7.000 SPDBRK = 40.00
BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RM/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
396	7.900	.5313	40.06	.0000	180.0	110.3	.1200-01	1285.	95.30	.5350	3779.	.1079-04
397	7.900	.5295	40.05	.0000	180.0	110.1	.1200-01	1286.	95.40	.5340	3781.	.1075-04
398	7.900	.5301	40.07	.0000	180.0	110.4	.1200-01	1288.	95.50	.5360	3783.	.1078-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR P =	WREF 6"U/ R FT2SEC
396	.7673-07		0.0175	1793-01
397	.7681-07		.5543-01	.722-0
398	.7690-07		.5552-01	.1
			.5548-01	

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/WREF R=0.9	H/WREF R=1.0	H/WREF (TAW)	H(9TO) DTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(1AW) BTU/ R FT2SEC	CDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
397	.29900	.10000+00	269.00	.9500-02	.7900-02	.9500-02	.1709-03	.1418-03	.1709-03	.1070	.8900	529.2
397	.51200	.00000	274.00	.3280-01	.2720-01	.3280-01	.5973-03	.4678-03	.5879-03	.3590	2.782	530.7
397	.53200	.10000+00	275.00	.1160-01	.9600-02	.1160-01	.2077-03	.1725-03	.2077-03	.1310	1.085	527.8
397	.53200	.70000	278.00	.3000-02	.2500-02	.3000-02	.5357-04	.4449-04	.5357-04	.3400-01	.3770	527.5
397	.53200	.90000	279.00	.2800-02	.2300-02	.2800-02	.4955-04	.4123-04	.4955-04	.3100-01	.3090	527.6
397	.76500	.10000+00	281.00	.1480-01	.1230-01	.1480-01	.2655-03	.2205-03	.2655-03	.1670	1.385	528.5
397	.76500	.30000	282.00	.9300-02	.7700-02	.9300-02	.1659-03	.1378-03	.1659-03	.1040	.8660	528.4
397	.76500	.50000	283.00	.5400-02	.4500-02	.5400-02	.9761-04	.8106-04	.9761-04	.5100-01	.5270	527.9
397	.76500	.70000	284.00	.3800-02	.3200-02	.3800-02	.6879-04	.5712-04	.6879-04	.4300-01	.4640	528.3
397	.90500	.10000+00	287.00	.1650-01	.1380-01	.1650-01	.2977-03	.2471-03	.2977-03	.1870	1.602	529.3
397	.93500	.50000	289.00	.6100-02	.5100-02	.6100-02	.1099-03	.9127-04	.1099-03	.6900-01	.5930	528.3

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1432

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1742)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -7.000 SPOBRK = 40.00
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
405	7.940	1.025	40.07	.0000	180.0	210.2	.2300-01	1264.	92.90	.9980	3749.	.2043-04
406	7.940	1.021	40.07	.0000	180.0	209.5	.2300-01	1264.	92.90	.9950	3749.	.2036-04
407	7.940	1.020	40.06	.0000	180.0	209.9	.2300-01	1266.	93.00	.9970	3753.	.2036-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
405	.7476-07	.2441-01	.2441-01	0.0175
406	.7477-07	.2437-01	.2437-01	.4028-01
407	.7490-07	.2440-01	.2440-01	.4029-01

TEST DATA

RUN NUMBER	Z/BV	T/L NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(19TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TW DEG. R
406	.29300	.00000	.7000-02	.6700-02	.8000-02	.1959-03	.1621-03	.1959-03	.190	.9820	531.8
405	.29300	.50000	.3200-02	.2700-02	.3200-02	.7844-04	.6493-04	.7844-04	.4800-01	.3950	530.1
406	.53200	.60000	.2750-01	.2270-01	.2750-01	.6702-03	.5541-03	.6702-03	.4040	3.044	534.5
406	.53200	.19000	.1140-01	.9400-02	.1140-01	.2767-03	.2290-03	.2767-03	.1680	1.389	530.9
406	.53200	.70000	.1700-02	.1400-02	.1700-02	.4126-04	.3415-04	.4126-04	.2500-01	.2790	530.6
406	.53200	.90000	.4400-02	.3500-02	.4400-02	.1058-03	.8835-04	.1058-03	.6500-01	.6390	530.9
406	.75500	.10000	.2120-01	.1750-01	.2120-01	.5160-03	.4268-03	.5160-03	.3120	2.583	532.2
406	.75500	.30000	.1600-01	.1330-01	.1600-01	.3905-03	.3331-03	.3905-03	.2350	1.956	531.9
406	.75500	.50000	.9200-02	.7600-02	.9200-02	.2249-03	.1861-03	.2249-03	.1360	1.166	531.5
406	.75500	.70000	.6500-02	.5700-02	.6500-02	.1667-03	.1379-03	.1667-03	.1010	1.079	531.8
406	.91500	.10000	.2700-01	.2230-01	.2700-01	.6578-03	.5439-03	.6578-03	.3970	3.386	534.4
406	.90500	.50000	.1720-01	.1420-01	.1720-01	.4187-03	.3463-03	.4187-03	.2530	2.164	532.7

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION D'CK

PAGE 1433

(RV1742)

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -7.000 SPDGRK = 40.00
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
414	7.980	1.979	40.09	.0000	180.0	430.6	.4500-01	1302.	94.80	1.998	3807.	.3968-04
415	7.980	1.965	40.12	.0000	180.0	429.8	.4500-01	1307.	95.10	1.995	3814.	.3946-04
416	7.980	1.958	40.10	.0000	180.0	429.1	.4500-01	1308.	95.30	1.991	3816.	.3934-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =
414	.7632-07		0.0175
415	.7653-07		.2894-01
416	.7669-07		.2903-01

TEST DATA

RUN NUMBER	Z/BV	X/C	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO BTU/ R FT2SEC	H1TO BTU/ R FT2SEC	H1TAW BTU/ R FT2SEC	DOOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TH DEG. R
415	.29300	.10000+00	269.00	.7600-02	.5300-02	.7600-02	.2849-03	.2202-03	.2649-03	.1700	1.409	532.8
415	.29900	.50000	271.00	.3700-02	.3100-02	.3700-02	.1163-02	.1072-03	.1289-03	.8300-01	.6910	529.1
415	.53200	.00000	274.00	.3350-01	.2780-01	.3350-01	.1163-02	.9654-02	.1163-03	.7420	5.575	538.2
415	.53200	.10000+00	275.00	.1370-01	.1140-01	.1370-01	.4757-03	.3954-03	.4757-03	.3060	2.534	532.1
415	.53200	.70000	278.00	.7400-02	.6200-02	.7400-02	.2571-03	.2138-03	.2571-03	.1680	1.850	531.0
415	.53200	.90000	279.00	.6900-02	.5700-01	.6900-02	.2397-03	.1993-03	.2397-03	.1540	1.521	532.4
415	.76500	.10000+00	281.00	.3250-01	.2700-01	.3250-01	.1128-02	.9367-03	.1128-02	.7220	5.963	535.5
415	.76500	.30000	282.00	.3370-01	.2800-01	.3370-01	.1172-02	.9732-03	.1172-02	.7510	6.202	535.0
415	.76500	.50000	283.00	.2080-01	.1730-01	.2080-01	.7214-03	.5994-03	.7214-03	.4630	3.951	534.4
415	.76500	.70000	284.00	.1290-01	.1070-01	.1290-01	.4472-03	.3715-03	.4472-03	.2870	3.061	534.6
415	.90500	.10000+00	287.00	.4990-01	.4140-01	.4990-01	.1731-02	.1436-02	.1731-02	.1102	9.383	539.1
415	.90500	.50000	288.00	.3080-01	.2560-01	.3080-01	.1070-02	.9887-03	.1070-02	.6840	5.832	536.9

DATE 25 AUG 76

AEDC WKF V41B-57A (OH-498) COLLATION DECK

PAGE 1434

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T42)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -7.000 SPOBRK = 40.00
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
423	8.000	3.726	40.07	.0000	180.0	860.0	.8800-01	1348.	97.70	3.946	3875.	.7564-04
424	8.000	3.751	40.11	.0000	180.0	860.7	.8800-01	1343.	97.30	3.950	3867.	.7600-04
425	8.000	3.746	40.09	.0000	180.0	859.1	.8800-01	1343.	97.30	3.942	3867.	.7588-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R	ST FR R =
423	.7867 07	.4910-01	0.0175	
424	.7836-07	.4908-01	.2098-01	
425	.7833-07	.4904-01	.2099-01	

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11AW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMOT DEG. R /SEC	TM DEG. R
424	.29900	.10000*00	269.00	.6900-02	.5700-02	.6900-02	.3369-03	.2810-03	.3368-03	.2280	1.885	532.0
424	.29900	.50000	271.00	.4900-02	.4100-02	.4900-02	.2404-03	.2008-03	.2404-03	.1630	1.354	529.1
424	.53200	.00000	274.00	.4440-01	.3690-01	.4440-01	.2177-02	.1812-02	.2177-02	1.448	10.85	543.6
424	.53200	.10000*00	275.00	.2330-01	.1950-01	.2330-01	.1145-02	.9549-03	.1145-02	.7730	6.392	533.3
424	.53200	.70000	278.00	.6700-02	.5600-02	.6700-02	.3286-03	.2742-03	.3286-03	.2230	2.486	530.8
424	.53200	.90000	279.00	.1040-01	.8700-02	.1040-01	.5090-03	.4247-03	.5090-03	.3450	3.401	531.5
424	.76500	.10000*00	281.00	.5400-01	.4500-01	.5400-01	.2651-02	.2208-02	.2651-02	1.776	14.63	538.8
424	.76500	.30000	282.00	.4340-01	.3620-01	.4340-01	.2132-02	.1778-02	.2132-02	1.435	11.85	535.6
424	.76500	.50000	283.00	.2550-01	.2130-01	.2550-01	.1251-02	.1043-02	.1251-02	.8440	7.203	534.2
424	.76500	.70000	284.00	.2020-01	.1690-01	.2020-01	.9930-03	.8277-03	.9930-03	.6680	7.118	536.2
424	.90500	.10000*00	287.00	.4870-01	.4050-01	.4870-01	.2391-02	.1990-02	.2391-02	1.597	13.58	540.7
424	.90500	.50000	288.00	.3320-01	.2770-01	.3320-01	.1629-02	.1358-02	.1629-02	1.096	9.341	536.2

REPRODUCIBILITY OF 1.
 ORIGINAL PAGE IS POOR

DATE 25 AUG 76

AEDC WAF V418-57A (OH-498) COLLATION DECK

PAGE 1435

VERTICAL TAIL

OH-498 (AEDC V418-57A) ORBITER VERTICAL TAIL

(1143)

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = -30.00 SPDRBK = 40.00
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X13.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
450	7.900	.5299	19.99	.0000	180.0	109.5	.1200-01	1281.	95.00	.5320	3773.	.1074-04
451	7.900	.5307	19.99	.0000	180.0	110.1	.1200-01	1284.	95.30	.5340	3778.	.1077-04
452	7.900	.5299	20.00	.0000	180.0	110.1	.1200-01	1286.	95.40	.5340	3780.	.1076-04

RUN NUMBER	MJ	LB-SEC /FT ²	HREF BTU/ R	ST FR R =
450	.7650-07	.1786-01	.1786-01	0.0175
451	.7670-07	.1792-01	.1792-01	.5553-01
452	.7677-07	.1792-01	.1792-01	.5550-01

TEST DATA

RUN NUMBER	Z/8V	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF ITAW	H(9TO) BTU/ R FT ² SEC	H(1TO) BTU/ R FT ² SEC	H(1TAW) BTU/ R FT ² SEC	QDOT BTU/ R FT ² SEC	DTMDT DEG. R /SEC	TW DEG. R
451	.29900	.10000+00	269.00	.2400-01	.2000-01	.2400-01	.4307-03	.3577-03	.4307-03	.2710	2.249	526.7
451	.29300	.50000	271.00	.5400-02	.4500-02	.5400-02	.9678-04	.3045-04	.9678-04	.6100-01	.5100	523.0
451	.53200	.00000	274.00	.1326	.1097	.1326	.2375-02	.1365-02	.2375-02	1.462	10.97	540.5
451	.53200	.10000+00	275.00	.3300-01	.2740-01	.3300-01	.5914-03	.4910-03	.5914-03	.3710	3.080	528.0
451	.53200	.70000	278.00	.7200-02	.6000-02	.7200-02	.1290-03	.1072-03	.1290-03	.8100-01	.9100	525.6
451	.53200	.90000	279.00	.1660-01	.1320-01	.1660-01	.2976-03	.2470-03	.2976-03	.1870	1.848	527.8
451	.76500	.10000+00	281.00	.5160-01	.4280-01	.5160-01	.5236-03	.7662-03	.5236-03	.5770	4.780	530.8
451	.76500	.30000	282.00	.3630-01	.3010-01	.3630-01	.6498-03	.5393-03	.6498-03	.4070	3.375	529.1
451	.76500	.50000	283.00	.2840-01	.2360-01	.2840-01	.5089-03	.4224-03	.5089-03	.3190	2.734	528.7
451	.76500	.70000	284.00	.3030-01	.2510-01	.3030-01	.5126-03	.4502-03	.5126-03	.3400	3.633	530.1
451	.90730	.10000+00	287.00	.4300-01	.3570-01	.4300-01	.7709-03	.6395-03	.7709-03	.4820	4.120	531.1
451	.90500	.50000	288.00	.1630-01	.1350-01	.1630-01	.2913-03	.2418-03	.2913-03	.1830	1.564	528.9

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1436

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1743)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 20.00 BETA = .0000 ELEVTR = -30.00 SPOBRK = 40.00
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
453	7.980	1.986	19.97	.0000	180.0	428.1	.4500-01	1294.	94.20	1.987	3796.	.3968-04
454	7.980	1.994	19.97	.0000	180.0	428.4	.4500-01	1291.	94.00	1.988	3791.	.3980-04
455	7.980	2.008	19.97	.0000	180.0	430.3	.4500-01	1289.	93.60	1.997	3788.	.4005-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
453	.7586-07	.3459-01	0.0175
454	.7569-07	.3459-01	.2892-01
455	.7555-07	.3465-01	.2887-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QOOT BTU/ FT2SEC	DTAOT DEG. R /SEC	TW DEG. R
454	.29300	.10000+00	269.00	.3230-01	.2680-01	.3230-01	.1115-02	.9276-03	.1115-02	.7110	5.911	524.6
454	.29500	.50000	271.00	.2800-02	.2400-02	.2800-02	.9792-04	.8148-04	.9792-04	.6300-01	.5220	522.2
454	.53200	.00000	274.00	.1875	.1544	.1875	.6485-02	.5342-02	.6485-02	3.911	29.02	559.1
454	.53200	.10000+00	275.00	.5490-01	.4560-01	.5490-01	.1900-02	.1577-02	.1900-02	1.200	9.931	530.8
454	.53200	.70000	278.00	.9800-02	.8100-02	.9800-02	.3389-03	.2916-03	.3389-03	.2150	2.406	527.3
454	.53200	.90000	279.00	.2600-01	.2160-01	.2600-01	.8932-03	.7466-03	.8932-03	.5680	5.609	530.4
454	.76500	.10000+00	281.00	.4520-01	.3750-01	.4520-01	.1564-02	.1298-02	.1564-02	.9860	8.157	531.9
454	.76500	.30000	282.00	.3110-01	.2580-01	.3110-01	.1075-02	.8926-03	.1075-02	.6300	5.630	529.9
454	.76500	.50000	283.00	.2420-01	.2010-01	.2420-01	.8383-03	.6963-03	.8383-03	.5310	4.542	529.4
454	.76500	.70000	284.00	.4120-01	.3420-01	.4120-01	.1425-02	.1182-02	.1425-02	.8940	9.533	535.1
454	.90500	.10000+00	287.00	.4630-01	.3840-01	.4630-01	.1603-02	.1329-02	.1603-02	1.006	8.582	534.8
454	.90500	.50000	288.00	.1010-01	.8400-02	.1010-01	.3510-03	.2917-03	.3510-03	.2230	1.909	527.8

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AEDC VKF V41B-57A (OH-49B) COLLATION DECK

DATE 25 AUG 76

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = -30.00 SPOBRK = 40.00
BDELAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
444	7.900	.5474	30.02	.0000	180.0	109.9	.1200-01	1257.	93.20	.5330	3737.	.1099-04
445	7.900	.5502	30.03	.0000	180.0	110.6	.1200-01	1258.	93.30	.5370	3739.	.1105-04
446	7.900	.5440	30.04	.0000	180.0	109.9	.1200-01	1262.	93.60	.5330	3745.	.1095-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R	ST FR R =
444	.7504-07	.1783-01	0.0175
445	.7510-07	.1789-01	.5479-01
446	.7535-07	.1785-01	.5493-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NC	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TW DEG. R
445	.29300	.10000+00	269.00	.1620-01	.1340-01	.1620-01	.2898-03	.2399-03	.2898-03	.1750	1.452	527.7
445	.29900	.50000	271.00	.2800-02	.2300-02	.2800-02	.5057-04	.4188-04	.5057-04	.3100-01	.2550	525.5
445	.53200	.00000	274.00	.4350-01	.3600-01	.4350-01	.773-03	.6434-03	.7783-03	.4670	3.522	532.0
445	.53200	.10000+00	275.00	.1810-01	.1500-01	.1810-01	.7-7-03	.2679-03	.3237-03	.1960	1.622	527.6
445	.53200	.70000	278.00	.5400-02	.4500-02	.5400-02	.14-04	.8067-04	.9744-04	.5900-01	.6600	526.6
445	.53200	.90000	279.00	.9800-02	.8100-02	.9800-02	.1750-03	.1456-03	.1759-03	.1060	1.053	526.9
445	.76500	.10000+00	281.00	.2220-01	.1840-01	.2220-01	.3980-03	.3293-03	.3980-03	.2400	1.989	529.0
445	.76500	.30000	282.00	.1270-01	.1050-01	.1270-01	.2280-03	.1687-03	.2280-03	.1380	1.143	527.8
445	.76500	.50000	283.00	.7000-02	.5800-02	.7000-02	.1247-03	.1032-03	.1247-03	.7500-01	1.005	527.5
445	.90500	.70000	284.00	.8700-02	.7200-02	.8700-02	.1535-03	.1287-03	.1535-03	.9400-01	1.005	528.3
445	.90500	.10000+00	287.00	.1830-01	.1520-01	.1830-01	.3282-03	.2714-03	.3282-03	.1970	1.690	530.2
445	.90500	.50000	288.00	.6200-02	.5100-02	.6200-02	.1102-03	.9123-04	.1102-03	.6700-01	.5710	527.7

AEDC VKF V41B-57A (OH-49B) COLLATION DECK
OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 30.30 BETA = .0000 ELEVTR = -30.00 SPDBRK = 40.00
BDFLAP = 15.30 MACH = 8.000

TEST CONDITIONS

RUN
NUMBER

MACH

RN/L
X10 6

ALPHA
DEG.

YAW
DEG.

PHI
MODEL
DEG.

PO
PSIA

P
PSIA

TO
DEG. R

T
DEG. R

Q
PSIA

V
FT/SEC

RH0
SLUGS
/FT3

LB-SEC
/FT2

ST FR

R =

R =

R =

TEST DATA

RUN
NUMBER

Z/BV

X/C

T/C NO

H/HREF
R=0.9

H/HREF
R=1.0

H/HREF
(TAW)

H(10)
BTU/ R
F12SEC

H(TAW)
BTU/ R
F12SEC

QDOT
BTU/ R
F12SEC

DTMDT
DEG. R
/SEC

TM
DEG. R

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

PAGE 1439

VERTICAL TAIL

OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T44)

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = -30.00 SPDRK = 40.00
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	R/O SLUGS /FT3
432	7.980	1.975	30.05	.0000	180.0	430.2	.4500-01	1303.	94.90	1.996	3808.	.3961-04
433	7.980	1.985	30.05	.0000	180.0	429.6	.4500-01	1297.	94.50	1.994	3800.	.3972-04
434	7.980	1.982	30.05	.0000	180.0	428.3	.4500-01	1296.	94.40	1.988	3798.	.3964-04

RUN NUMBER	MU	LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
432	.7637-07	.3471-01	.2897-01	0.0175
433	.7605-07	.3466-01	.2892-01	
434	.7597-07	.3461-01	.2894-01	

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H19TO) BTU/ R FT2SEC	H1TO) BTU/ R FT2SEC	H1TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWOT DEG. R /SEC	TM DEG. R
433	.29340	.10000+00	269.00	.1110-01	.9200-02	.1110-01	.3841-03	.3191-03	.3841-03	.2450	2.024	531.1
433	.29300	.50000	271.00	.2500-02	.2100-02	.2500-02	.8745-04	.7269-04	.8745-04	.5600-01	.4630	528.8
433	.53200	.00000	274.00	.3120-01	.2590-01	.3120-01	.1091-02	.8955-03	.1091-02	.6820	5.130	536.7
433	.53200	.10000+00	275.00	.1650-01	.1370-01	.1650-01	.5719-03	.4751-03	.5719-03	.3640	3.014	531.0
433	.53200	.70000	276.00	.2210-01	.1840-01	.2210-01	.7673-03	.6370-03	.7673-03	.4860	5.418	533.8
433	.53200	.90000	279.00	.2360-01	.1960-01	.2360-01	.8165-03	.6777-03	.8165-03	.5170	5.095	534.2
433	.76500	.10000+00	281.00	.2880-01	.2390-01	.2880-01	.9978-03	.8282-03	.9978-03	.6320	5.226	533.9
433	.76500	.30000	282.00	.2230-01	.1850-01	.2230-01	.7715-03	.6406-03	.7715-03	.4900	4.051	532.7
433	.76500	.50000	283.00	.1630-01	.1350-01	.1630-01	.5648-03	.4689-03	.5648-03	.3590	3.064	532.8
433	.90500	.70000	284.00	.2350-01	.1950-01	.2350-01	.8159-03	.6769-03	.8159-03	.5160	5.495	535.4
433	.90500	.10000+00	287.00	.2680-01	.2220-01	.2680-01	.9287-03	.7704-03	.9287-03	.5870	5.003	536.0
433	.90500	.50000	288.00	.1570-01	.1310-01	.1570-01	.5452-03	.4526-03	.5452-03	.3460	2.951	533.9

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-498) COLLATION DECK

PAGE 1440

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1744)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 30.00 BETA = .0000 ELEVTR = -30.00 SPOBRK = 40.00
 BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
426	8.000	3.697	30.10	.0000	180.0	860.4	.8800-01	1356.	98.20	3.948	3885.	.7527-04
427	8.000	3.692	30.05	.0000	180.0	860.2	.8800-01	1357.	98.30	3.947	3887.	.7519-04
428	8.000	3.692	30.06	.0000	180.0	860.2	.8800-01	1357.	98.30	3.947	3887.	.7519-04

RUN NUMBER	HJ LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
426	.7909-07	.4916-01	0.0175
427	.7915-07	.4916-01	.2110-01
428	.7916-07	.4916-01	.2111-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTWDT DEG. R /SEC	TH DEG. R
427	.29900	.10000+00	269.00	.1110-01	.9300-02	.1110-01	.5467-03	.4561-03	.5467-03	.3730	3.078	537.9
427	.29900	.50200	271.00	.4300-02	.3600-02	.4300-02	.2094-03	.1749-03	.2094-03	.1440	1.191	533.1
427	.53200	.00000	274.00	.4400-01	.3660-01	.4400-01	.2163-02	.1799-02	.2163-02	1.450	10.82	550.5
427	.53200	.10000+00	275.00	.2510-01	.2090-01	.2510-01	.1232-02	.1027-02	.1232-02	.8410	6.925	538.5
427	.53200	.70000	278.00	.2490-01	.2070-01	.2490-01	.1222-02	.1019-02	.1222-02	.8310	9.207	541.5
427	.53200	.90000	279.00	.3410-01	.2850-01	.3410-01	.1679-02	.1399-02	.1679-02	1.139	11.15	542.8
427	.76500	.10000+00	281.00	.3230-01	.2690-01	.3230-01	.1588-02	.1324-02	.1588-02	1.080	8.889	540.7
427	.76500	.30000	282.00	.2750-01	.2310-01	.2750-01	.1359-02	.1133-02	.1359-02	.9260	7.627	539.5
427	.76500	.50000	283.00	.2420-01	.2020-01	.2420-01	.1192-02	.0940-03	.1192-02	.8120	6.914	539.3
427	.76500	.70000	284.00	.3220-01	.2680-01	.3220-01	.1583-02	.1318-02	.1583-02	1.069	11.33	545.4
427	.90500	.10000+00	287.00	.2700-01	.2250-01	.2700-01	.1229-02	.1108-02	.1229-02	.9010	7.654	542.9
427	.90500	.50000	288.00	.1790-01	.1500-01	.1790-01	.8822-03	.7359-03	.8822-03	.6020	5.129	538.3

DATE 25 AUG 76

AEDC VKF V41B-57A (04-498) COLLATION DECK

PAGE 1441

04-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T45)

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 40.03 BETA = .0000 ELEV/R = -30.00 SPOBRK = 40.00
BDFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
447	7.900	.5370	40.03	.0000	180.0	109.1	.1200-01	1267.	93.90	.5300	3752.	.1083-04
448	7.900	.5420	40.02	.0000	180.0	110.5	.1200-01	1270.	94.20	.5360	3756.	.1094-04
449	7.900	.5378	40.03	.0000	180.0	110.5	.1200-01	1276.	94.70	.5360	3766.	.1088-04

RUN NUMBER	MU	LB-SEC /FT2	ST FR R =	HREF BTU/ R FT2SEC
447	.7564-07		0.0175	.1779-01
448	.7581-07		.5526-01	.1791-01
449	.7621-07		.5498-01	.1793-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(1TO) BTU/ R FT2SEC	H(TAW) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTAOT DEG. R /SEC	TW DEG. R
448	.29300	.10000*00	269.00	.1030-01	.8500-02	.1030-01	.1841-03	.1527-03	.1841-03	.1140	.9430	525.8
448	.53200	.00000	274.00	.3200-01	.2650-01	.3200-01	.5732-03	.4751-03	.5732-03	.3520	2.664	528.0
448	.53200	.10000*00	275.00	.1140-01	.9500-02	.1140-01	.2046-03	.1697-03	.2046-03	.1260	1.050	524.9
448	.53200	.70000	278.00	.1000-02	.8000-03	.1000-02	.1781-04	.1477-04	.1781-04	.1100-01	.1230	524.0
448	.53200	.90000	279.00	.2300-02	.1900-02	.2300-02	.4153-04	.3446-04	.4153-04	.2600-01	.2540	524.4
448	.76500	.10000*00	281.00	.1510-01	.1270-01	.1530-01	.2741-03	.2273-03	.2741-03	.1630	1.403	526.0
448	.76500	.30000	282.00	.9600-02	.8000-02	.9600-02	.1728-03	.1433-03	.1728-03	.1070	.8850	525.8
448	.76500	.50000	283.00	.6500-02	.5400-02	.6500-02	.1156-03	.9589-04	.1156-03	.7100-01	.6120	525.5
448	.76500	.70000	284.00	.4700-02	.3900-02	.4700-02	.8384-04	.6953-04	.8384-04	.5200-01	.5550	525.7
448	.90500	.10000*00	287.00	.1540-01	.1280-01	.1540-01	.2759-03	.2287-03	.2759-03	.1700	1.454	527.8
448	.90500	.50000	288.00	.4900-02	.4190-02	.4900-02	.8750-04	.7256-04	.8750-04	.5400-01	.4630	526.2

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

AEDC VKF V41B-57A (OH-498) COLLATION CHECK

DATE 25 AUG 76

OH-498 (AEDC V41B-57A) ORBITER VERTICAL TAIL

VERTICAL TAIL

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -30.00 SPOBRK = 40.00
BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 S /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
441	7.940	1.015	40.07	.0000	180.0	208.9	.2200-01	1268.	93.10	.9920	3753.	.2026-04
442	7.940	1.017	40.07	.0000	180.0	209.1	.2200-01	1266.	93.00	.9930	3752.	.2029-04
443	7.940	1.016	40.09	.0000	180.0	209.4	.2300-01	1268.	93.20	.9940	3755.	.2029-04

RUN NUMBER	MU LB-SEC /FT2	HREF BTU/ R FT2SEC	ST FR R =
441	.7492-07	.2435-01	0.0175
442	.7487-07	.2436-01	.4035-01
443	.7501-07	.2438-01	.4037-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(11A) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DT/DT DEG. R /SEC	TH DEG. R
442	.29300	10000+00	269.00	.8100-02	.6700-02	.8100-02	.1979-03	.1641-03	.1979-03	.1220	1.010	524.8
442	.29900	.5000	271.00	.3300-02	.2800-02	.3300-02	.8083-04	.6708-04	.8083-04	.5000-01	.4150	521.8
442	.53200	.0000	274.00	.2760-01	.2280-01	.2760-01	.6715-03	.5565-03	.6715-03	.4110	3.111	526.7
442	.53200	10000+00	275.00	.1110-01	.9200-02	.1110-01	.2711-03	.2249-03	.2711-03	.1670	1.389	523.0
442	.53200	.7600	278.00	.2600-02	.2100-02	.2600-02	.6233-04	.5171-04	.6233-04	.3800-01	.4310	522.7
442	.53200	.9000	279.00	.4500-02	.3800-02	.4500-02	.1104-03	.9153-04	.1104-03	.6800-01	.6730	523.5
442	.76500	10000+00	281.00	.2070-01	.1720-01	.2070-01	.3740-03	.4184-03	.3740-03	.3100	2.573	.25.2
442	.76500	.3000	282.00	.1540-01	.1270-01	.1540-01	.2251-03	.1867-03	.2251-03	.2300	1.908	524.9
442	.76500	.5000	283.00	.9200-02	.7700-02	.9200-02	.1618-03	.1342-03	.1618-03	.9900-C.	1.066	524.8
442	.90500	.7000	284.00	.6500-02	.5500-02	.6500-02	.4890-03	.4890-03	.4890-03	.3610	3.090	528.1
442	.90500	10000+00	287.00	.2420-01	.2010-01	.2420-01	.3622-03	.3001-03	.3622-03	.2220	1.899	527.3
442	.90500	.5000	288.00	.1490-01	.1230-01	.1490-01						

DATE 25 AUG 76

AEDC VKF V418-57A (OH-498) COLLATION DECK

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VERTICAL TAIL

OH-498 (AEDC V418-57A) ORBITER VERTICAL TAIL

(RV1745)

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -30.00 SPDRBK = 40.00
 BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10.6 /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. R	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT3
435	7.980	1.997	40.07	.0000	180.0	431.4	.4500-01	1296.	94.30	2.002	3798.	.3994-04
436	7.980	1.987	40.08	.0000	180.0	429.9	.4500-01	1297.	94.50	1.995	3800.	.3975-04
437	7.980	1.990	40.07	.0000	180.0	429.8	.4500-01	1296.	94.30	1.995	3798.	.3980-04

RUN NUMBER	MJ	LB-SEC /FT2	HREF BTU/ R	ST FR R =
435	.7596-07	.3473-01	.2884-01	0.0175
436	.7604-07	.3468-01	.2890-01	
437	.7594-07	.3466-01	.2889-01	

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAN)	H(9TO) BTU/ R FT2SEC	H(10) BTU/ R FT2SEC	H(14V) BTU/ R FT2SEC	QDOT BTU/ R FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
436	.29900	.10000+00	264.00	.7300-02	.6100-02	.7300-02	.2527-03	.2101-03	.2527-03	.1620	1.340	528.2
436	.29900	.50000	271.00	.2600-02	.2100-02	.2600-02	.8883-04	.7393-04	.8883-04	.5700-01	.4750	524.0
436	.53200	.00000	274.00	.2960-01	.2450-01	.2960-01	.1025-02	.8511-03	.1025-02	.6510	4.903	533.1
436	.53200	.10000+00	275.00	.1270-01	.1060-01	.1270-01	.4420-03	.3675-03	.4420-03	.2830	2.347	527.4
436	.53200	.70000	278.00	.3500-02	.2900-02	.3500-02	.1210-03	.1007-03	.1210-03	.7800-01	.8700	525.7
436	.53200	.90000	279.00	.6600-02	.5500-02	.6600-02	.2302-03	.1914-03	.2302-03	.1470	1.457	527.5
436	.76500	.10000+00	281.00	.2990-01	.2490-01	.2990-01	.1038-02	.8624-03	.1038-02	.6610	5.474	530.6
436	.76500	.30000	282.00	.2750-01	.2290-01	.2750-01	.9546-03	.7333-03	.9546-03	.6090	5.044	529.8
436	.76500	.50000	283.00	.1790-01	.1490-01	.1790-01	.6210-03	.5161-03	.6210-03	.3970	3.396	529.1
436	.76500	.70000	284.00	.1160-01	.9700-02	.1160-01	.4036-03	.3354-03	.4036-03	.2580	2.757	529.4
436	.90500	.10000+00	287.00	.4370-01	.3620-01	.4370-01	.1514-02	.1257-02	.1514-02	.9600	6.194	533.8
436	.90500	.50000	288.00	.2800-01	.2330-01	.2800-01	.9719-03	.8072-03	.9719-03	.6180	5.283	531.8

DATE 25 AUG 76

AEDC VKF V41B-57A (OH-49B) COLLATION DECK

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OH-49B (AEDC V41B-57A) ORBITER VERTICAL TAIL

(RV1T45)

VERT CAL TAIL

PARAMETRIC DATA

ALPHA = 40.00 BETA = .0000 ELEVTR = -30.00 SPOBRK = 40.00
 BOFLAP = 15.00 MACH = 8.000

TEST CONDITIONS

RUN NUMBER	MACH	RN/L X10 ⁵ /FT	ALPHA DEG.	YAW DEG.	PHI MODEL DEG.	PO PSIA	P PSIA	TO DEG. F	T DEG. R	Q PSIA	V FT/SEC	RHO SLUGS /FT ³
429	8.000	3.702	40.10	.0000	180.0	859.5	.8800-01	1354.	98.10	3.944	3882.	.7530-04
430	8.000	3.714	40.16	.0000	180.0	859.2	.8800-01	1350.	97.90	3.943	3878.	.7545-04
431	8.000	3.718	40.07	.0000	180.0	858.8	.8800-01	1349.	97.80	3.941	3876.	.7549-04

RUN NUMBER	MU LB-SEC /FT ²	HREF BTU/ R FT ² SEC	ST FR R =
429	.7897-07	.4912-01	0.0175
430	.7879-07	.4909-01	.2109-01
431	.7811-07	.4907-01	.2107-01

TEST DATA

RUN NUMBER	Z/BV	X/C	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF (TAW)	H(9T0) BTU/ R FT ² SEC	H(T0) BTU/ R FT ² SEC	H(TAW) BTU/ R FT ² SEC	QDOT BTU/ FT ² SEC	DTAWT DEG. R /SEC	TW DEG. R
430	.29900	.10000*00	269.00	.6500-02	.5400-02	.6500-02	.3194-03	.2667-03	.3194-03	.2180	1.808	531.4
430	.29900	.50000	271.00	.3200-02	.2700-02	.3200-02	.1557-03	.1302-03	.1557-03	.1070	.8900	526.9
430	.53200	.00000	274.00	.4700-01	.3910-01	.4700-01	.2306-02	.1920-02	.2306-02	1.550	11.61	543.2
430	.53200	.10000*00	275.00	.2490-01	.2080-01	.2490-01	.1225-02	.1022-02	.1225-02	.8360	6.910	532.9
430	.53200	.70300	278.00	.6500-02	.5400-02	.6500-02	.3171-03	.2649-03	.3171-03	.2170	2.428	529.6
430	.53200	.93000	279.00	.1010-01	.8500-02	.1010-01	.4980-03	.4159-03	.4980-03	.3410	3.360	531.5
430	.76500	.10000*00	281.00	.5190-01	.4330-01	.5190-01	.2548-02	.2124-02	.2548-02	1.725	14.22	538.3
430	.76500	.30000	282.00	.4170-01	.3480-01	.4170-01	.2046-02	.1707-02	.2046-02	1.392	11.49	535.0
430	.76500	.50000	283.00	.2670-01	.2230-01	.2670-01	.1310-02	.1093-02	.1310-02	.6920	7.616	534.2
430	.76500	.70000	284.00	.2380-01	.1990-01	.2380-01	.1166-02	.9726-03	.1166-02	.7920	8.435	536.5
430	.90500	.10000*00	287.00	.4790-01	.3990-01	.4790-01	.2351-02	.1959-02	.2351-02	1.586	13.49	540.5
430	.90500	.50000	288.00	.3170-01	.2640-01	.3170-01	.1555-02	.1297-02	.1555-02	1.056	9.005	536.2

REPRODUCIBILITY OF THE
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